Oil, Paint and Drug Reporter

The Chemical Market Authority Since 1871

Volume 155 No. 19 May 9, 1949

DIETHYLAMINE
DIBUTYLAMINE
DIISOPROPYLAMINE

For additional information, write to Dept. O

Sharples Chemicals Inc. PHILADELPHIA · CHICAGO · NEW YORK

GUM and WOOD
ROSIN
GUM TURPENTINE
(U. S. Government Inspected & Certified)

WM. S. GRAY & CO.
342 MADISON AVENUE, NEW YORK 17, N. Y.
Cable Address: GRAYLIME Phone MUrray Hill 2-3100

Baker's
CARBON BISULFIDE
99.9%

J. T. Baker Chemical Co. Phillipsburg, N. J.
NEW YORK · PHILADELPHIA · LOS ANGELES · BOSTON · CHICAGO

NEW DU PONT
DIBASIC ACID

HO-C(=O)-CH$_2$-O-CH$_2$-C(=O)-OH

DIGLYCOLIC ACID

A high purity intermediate with interesting possibilities for plasticizers, resins, and other applications.

Now available in commercial quantities.
Packaged in 50-lb. multi-wall paper bags.

WRITE TODAY for free sample... technical information... and prices.

AMMONIA DEPARTMENT

DU PONT REG. U.S. PAT. OFF.
E. I. du Pont de Nemours & Co. (Inc.)
Wilmington 98, Delaware
HIGH PRESSURE CHEMICALS SYNTHETIC

BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

SODIUM
TUNGSTATE
TUNGSTIC OXIDE

SODIUM
MOLYBDATE
AMMONIUM MOLYBDATE
MOLYBDIC ACID MOLYBDIC OXIDE

PRIOR CHEMICAL CORPORATION · NEW YORK
420 LEXINGTON AVENUE
Selling Agents for
CHEMICAL DIVISION
MOLYBDENUM CORPORATION OF AMERICA

Borax and Boric Acid

TECHNICAL · U. S. P.
SPECIAL QUALITY
CRYSTAL
GRANULATED
POWDERED
IMPALPABLE
ANHYDROUS

★ Sodium Metaborate ★ Potassium Borate
★ Ammonium Biborate ★ Ammonium Pentaborate

PACIFIC COAST BORAX COMPANY
51 MADISON AVENUE, NEW YORK 10, N.Y. · CHICAGO 16 · LOS ANGELES 14

LIBRARY
MAY 9 1949
U. S. PATENT OFFICE

Say

Nacconol NR*

AMERICA'S LEADING SYNTHETIC DETERGENT

WASHES • WETS • DISPERSES • FOAMS • EMULSIFIES IN HOT OR COLD SOLUTIONS AT ANY pH

get

40% active organic content

GUARANTEED

NATIONAL ANILINE DIVISION ALLIED CHEMICAL & DYE CORPORATION

40 RECTOR STREET, NEW YORK 6, N. Y. (BOwling Green 9-2240)

Boston, Mass., 150 Causeway St.	Capitol 0490	Greensboro, N.C., Jefferson Standard Bldg.	Greensboro 2-2518
Providence, R. I., 15 Westminster St.	Dexter 3008	Atlanta 2, Ga., 140 Peachtree St.	Cypress 2821
Chicago 10, Ill., 357 West Erie St.	SUperior 7-3387	Chattanooga 2, Tenn., James Building	CHattanooga 6-6347
Philadelphia 6, Pa., 200-204 S. Front St.	LOmbard 3-6382	New Orleans, La., Cotton Exchange Bldg.	Raymond 7228
San Francisco, Cal., 517 Howard St.	Sutter 7507	Portland 9, Ore., 730 West Burnside Ave.	Beacon 1853
Charlotte 1, N. C., 201-203 West First St.	CHarlotte 3-9221	Toronto, Canada, 137-145 Wellington St. W.	Elgin 6495

*Reg. U. S. Pat. Off.

LIBRARY
MAY 9 1949
U. S. PATENT OFFICE

Oil, Paint and Drug Reporter

Volume 155 No. 19 | New York 7, N. Y. | May 9, 1949

Potash Salts Deliveries Up 2% in First Quarter

A total of 563,244 tons of potash salts, containing an equivalent of 293,037 tons of K_2O, were delivered during the first quarter of 1949 by the five major American producers, according to the American Potash Institute. This represents an increase of 2 percent in salts and .2 percent in K_2O over the corresponding period in 1948.

Deliveries for agricultural purposes in the United States, Canada, Cuba, Puerto Rico and Hawaii consisted of 530,411 tons of potash salts, equivalent to 272,714 tons of K_2O, as compared with 264,020 tons of K_2O in the first three months of 1948. Muriate of potash predominated, with 236,487 tons K_2O, whereas 18,443 tons were delivered in sulphate of potash and sulphate of potash magnesia, and 17,783 tons as manure salts.

Deliveries for chemical purposes totaled 27,704 tons of salts, equivalent to 17,197 tons K_2O, a decrease of 29 percent under the corresponding period a year earlier. Exports to other than institute countries amounted to 5,130 tons of potash salts, containing 3,127 tons K_2O, a decrease of 25 percent under 1948.

Penicillin Certification Regulations Amended

Several amendments to regulations covering the certification of penicillin products were issued on April 30 by the Food and Drug Administration.

The amendments provide for a change in the tests and methods of assay for procaine penicillin-in-oil; for modification of the standards for penicillin ointment; for modification of the standards and for packaging, labeling and certification sample requirements for procaine penicillin-in-oil when intended solely for udder installation of cattle, and modification of the standards for the procaine penicillin to make such drug.

For modification of the standards, labeling and certification samples for buffered penicillin powder to permit the use of procaine penicillin; for modification of the standards for crystalline penicillin used in the manufacture of procaine penicillin and crystalline penicillin-in-oil when such drug is intended solely for udder installation of cattle, and for modification of the packaging requirements for streptomycin.

Antibiotics Certification Amendment Approved

A favorable report was voted May 3 by the house interstate and foreign commerce committee on H. R. 3151 amending the Federal Food, Drug and Cosmetic Act to provide for certification of aureomycin, chloramphenicol, and bacitracin.

Health Insurance Bill Hearings Start May 16

The senate committee on labor and public welfare has set the date of May 16 for the start of hearings on the President's compulsory health insurance program and the various substitute programs that have been offered for it. The hearings expected to run for a month or more.

The hearings will be held on S. 1679, the Thomas national health insurance and public health act (administration's bill); S. 1581, Taft national health act of 1949; S. 1456, Hill voluntary health insurance act, and S. 1106, Lodge medical aid act of 1949.

Naval Stores 1949 Support Level Increased by USDA

The Department of Agriculture has announced a new support level for gum naval stores of the 1949 crop of $114.08 per production unit of 50 gallons of turpentine and 1,400 pounds of N-grade rosin; this is an increase from the $99.89 per unit level announced March 11.

The initial support rate for 1949 crop turpentine is unchanged from the 40 cents per bulk gallon announced on March 11, but the rate for rosin is increased to $6.72 per 100 pounds, net, on N-grade rosin packed in standard metal drums, from the $5.71 announced March 11.

The new support level per production unit is equal to 80 percent of the parity price March 1 as against 70 percent under the earler announcement. Last year gum naval stores were supported at 90 percent of parity. The reduction in the support level below last year is to discourage production.

Commodity Exchange Act Revision Asked in Senate

A bill (S. 1751) amending the commodity exchange act to extend its provisions to futures trading in eleven commodities not now covered by the act and providing for other important changes in existing law was introduced in the senate May 2 by Senator Elmer Thomas of Oklahoma, chairman of the senate agricultural committee.

The new commodities that would be brought within the scope of the restrictions on futures trading are wool, hides, rubber, cocoa beans, coffee, sugar, apples, onions, pepper, cheese, and eggs (frozen, dried, or otherwise processed). Discretionary authority is granted to the Secretary of Agriculture to add other commodities to the list after public hearings.

House Group Will Not Consider Amendment to Weaken FDA Act

The house interstate commerce committee will give no consideration this year to any amendment to the Federal food, drug, and cosmetic act which seeks to place upon the Federal government the responsibility of proving in court that violations of the law were the result of willful intent or willful negligence.

Notice to this effect was served on advocates of such an amendment by Representative George C. Sadowski of Michigan at the close of hearings May 2 on three bills amending the FDA act to tighten controls over exports, requiring importers to pay administrative fees when products have to be reprocessed to conform to the law, and providing for certification of auromycen, chloramphenicol and bacitracin. Mr. Sadowski is chairman of the subcommittee considering these bills.

An amendment to the law that criminal convictions might be obtained by the government only in cases of willful violations was first proposed last year in the senate on behalf of a group of flour-millers by Senator E. H. Moore of Oklahoma. The proposal was widely discussed in drug circles and strongly condemned as a weakening amendment. It was proposed again at the house committee hearings last week by E. W. Morrison, of the Morrison Milling Company, Denton, Tex.

Mr. Sadowski announced that the committee could not consider any such amendment to the FDA act at this time, because of the controversy it would arouse. Several weeks of hearings would have to be devoted to the amendment, he stated, and there is not time between now and the end of the session for such extended consideration.

Dunn Attacks Proposal

Charles Wesley Dunn, general counsel for the American Pharmaceutical Manufacturers Association, attacked the proposal as a "ripper amendment of the most vicious kind." He said that it would emasculate the FDA act as no other amendment would do because proof of intended negligence of willful violation is impossible to obtain. He said that there are ample provisions in existing law to take care of innocent violations and cited as an example the administrative hearings that are held to determine whether violators should be called into court for trial. He said that he has participated in a number of these hearings and that it was his opinion that the law was being enforced in about as fair and equitable manner as any law.

Dr. Paul B. Dunbar, commissioner of foods and drugs, told the committee that if there was any thought of serious consideration being given to the Morrison proposal, he would certainly want to be heard on it at length.

The flareup over the amendment came at the close of hearings by the committee on the Van Zandt bill (H. R. 562) to prohibit the export of any product which does not meet the requirements of the food and drug act unless produced and labelled in accordance with the laws of the foreign country. The objectives of the bill were endorsed by Robert Dunning, chairman of the Drug Industry Export Committee, James G. Flanagan of the American Drug Manufacturers Association and Vincent A. Burgher for the American Pharmaceutical Manufacturers Association. But, they each criticized the terms of the bill as being unworkable.

Called Shot-Gun Action

Mr. Dunning likened the bill to shotgun action to get at a few chiselers, and said that, contrary to general belief, the products of the drug industry are probably more closely regulated abroad than anything else. Most of the Latin American countries, he stated, require that every product be licensed and approved by the

—*Continued on page 58*

ECA Reports Chemical Authorizations in 1st Year

The Economic Cooperation Administration during its first year of operation from April 3, 1948, Unitel March 31, 1949, issued procurement authorizations to Marshall plan countries for the purchase of chemicals and related products in the amount of $123,400,000, according to a report made public last week by the agency.

Of these authorizations, $115,400,000 was for purchase of the chemicals in the United States, $2,900,000 for purchases in Canada, $4,000,000 for purchases in Latin America and the remaining $1,000,000 for purchases in other participating countries.

A breakdown of the $123,400,000 authorizations figure was as follows:—$24,400,000 for medicinal and pharmaceutical preparations, $21,200,000 for industrial chemicals excluding alcohol, $11,400,000 for alcohol, $800,000 for pesticides, and $65,400,000 for other items.

Other commodity totals contained in the report were as follows:—

Fats and oils, $233,900,000, including $43,500,000 for peanuts, $29,900,000 for flaxseed, $29,800,000 for copra, $29,100,000 for soybeans, $12,900,000 for oilseeds, n.e.c., $27,500,000 for lard, $15,800,000 for tallow, etc., $11,200,000 for soybean oil, and $34,200,000 for other fats and oils.

Fertilizers $34,000,000, including $20,400,000 for nitrogenous materials, and $13,600,000 for other materials.

Nonferrous metals, $304,500,000, including $139,200,000 for copper, $57,000,000 for aluminum, $45,900,000 for lead, $44,800,000 for zinc, $6,400,000 for brass and bronze, $5,500,000 for nickel, and $5,800,000 for other nonferrous metals.

Petroleum Products

The agency also issued authorizations over the year for purchase of $458,700,000 of petroleum and petroleum products,

—*Continued on page 79*

ECA Announces Additional Procurement Authorizations

New procurement authorizations issued to Marshall plan countries during the period April 29 through May 4 by the Economic Administration totaled $243,501,000 of which $149,446,000 was for purchase of materials in the United States. Total of authorizations to date amounts to $5,435,612,000. Among the new authorizations were the following:—

To Austria—$956,000 for chemicals and chemical preparations, excluding fertilizers and synthetic rubber, $61,000 for industrial chemicals other than alcohol, $261,000 for medicinal and pharmaceutical preparations, $41,000 for nonmetallic minerals except petroleum, and $76,000 for leather products except footwear, all from the United States; $76,000 for leather products except footwear from Canada, and $221,000 for copper from Latin America.

To Belgium-Luxembourg—$999,000 for chemicals and chemical preparations excluding fertilizers and synthetic rubber, $499,000 for medical and pharmaceutical preparations, $599,000 for industrial chemicals other than alcohol, $999,000 for nonmetallic minerals except petroleum, and $249,000 for crude oil and petroleum

—*Continued on page 79*

Peanut Bill Passes House

The house passed H. R. 4081 May 2 permitting growers of peanuts who exceeded their acreage allotments to deliver their excess peanuts to the government for crushing into oil without penalty or loss of privileges under the peanut price support program.

The bill restores to law a provision that had been in existence since 1941, but inadvertently repealed by congress last session during the closing rush of business.

FDA-Detained Imports Bill Voted by House Unit

A subcommittee of the house interstate commerce committee on May 4 approved H. R. 160, which would require importers to pay the administrative costs incurred by the government on the reprocessing of products imported into the United States which do not conform with the requirements of the food, drug and cosmetic act.

The measure now goes to the full committee and it is expected to be reported favorably to the house for passage, since no opposition has been registered against the measure.

Price Trend Loses Its Gain

Optimism over the stabilization of prices in the markets for chemicals, oils, and drugs was short-lived. Declining trends in half of the major divisions last week wiped out the slight gain made in the previous period and set up a new overall low for this year. The change was a drop of 0.4 point, which made the present mark 14.1 points lower than that of a year ago.

The depressing influences came from almost all directions—heavy chemicals and fine chemicals; fatty oils and essential oils; various animal and vegetable derivatives—all contributed. There was a net gain in vegetable oils, but not enough to offset the loss on the animal side. In the sulphonated area, the movement was reversed. Acetic acid, chlorides of aluminum, ammonium, copper, and zinc, butyl and propyl alcohols, botanical drugs and spices, dibutyl and di-iso-octyl phthalates, phloroglucinol, toluol, theophyllins, blood, tankage, casein—these were some of the materials put at lower prices. Menthol, egg yolk, 80 percent of the moving vegetable oils, degras, and carnauba wax were on the upside.

Far Eastern conditions had some peculiar effects. Chinese cassia was upped; East Indian was cut. Natural Chinese sesame was raised; the same stuff, hulled, was reduced. In pepper, it was the other way: black was down; white was up. Immediate conditions in the markets here were mainly in control. There was a moderate improvement in domestic demand in various areas, but its effect was rather to increase the number of small orders than to increase their size. Export interest was the main support in fats and oils. Heavy materials were still somewhat neglected: the inventories of manufacturing consumers must have been enormous at the end of 1948. Production cuts are keeping producers' stocks within practicable volume. Strikes are doing the same thing in some lines—and are resulting in higher labor costs.

OPD Price Index

The Oil, Paint, and Drug Reporter's relative record of prices for chemicals and related materials is currently as follows:—

May 6, 1949	April 29, 1949	May 7, 1948
132.6	133.0	146.7

The base of the OPD Price Index is the average of prices in 1926 and 1936, those years representing extremes of price undulations in the interwar period.

OPD Index Monthly Averages

	1949	1948	1947	1946	1941
January	142.0	150.4	150.9	135.3	107.8
February	140.4	147.2	151.9	135.4	110.3
March	137.6	146.2	154.9	135.2	111.9
April	133.6	146.2	152.3	134.9	115.3

V 155 I 19 MAY 9 1949
XUM

Tung Oil Operations of CCC In '47 Being Probed by Senate

Price support operations of the Commodity Credit Corporation in 1947 crop tung oil, which resulted in losses to the government of about $375,000, are under investigation by the Gillette subcommittee of the senate, which is now making a study of the fats and oils supply and the causes of the sharp price decline this year.

At least one member of the committee, Senator Spessard L. Holland, of Florida, has accused the agency of contributing to the present "low" price for tung oil and has demanded the production of all the records of CCC and the Department of Agriculture relating to the price support operations and the encouragement given to growers to expand production during the war.

At the same time, the committee has also followed the suggestion of another of its members, Senator Milton R. Young, of North Dakota, and has written a letter to Secretary of Defense Louis Johnson urging that the Munitions Board stockpile tung oil for future emergencies. While the oil is on the strategic list, it is not being stockpiled at this time because available domestic sources of supply, according to the Navy, are adequate to meet military needs.

CCC Bought Half of Crop

During recent hearings before the committee, George L. Prichard, chief of the fats and oils branch of the Production and Marketing Administration, testified that CCC, in an effort to support the price of tung oil, bought up about one-half of the 1947 crop at a cost of $1,750,000. The support program was not continued in 1948, he said, and during the

—Continued on page 76

Pyrethrum Prices Advanced By S. B. Penick & Co.

S. B. Penick & Co., New York, has announced price advances ranging from 15 percent to 20 percent for pyrethrum flowers, concentrate and liquid. The company explained that New York processors have found it impossible to place orders at the origin for East African flowers, for either prompt shipment or for delivery during the balance of the year.

New prices quoted for the concentrate, dewaxed, 20 percent, for aerosol bombs, are $9 to $10 per pound in drums at the works. The liquid (20 to 1) basis 2 grams pyrethrins per 100 cubic centimeter, odorless base, is now $6.95 to $7.50 per gallon at the works, and the same product with the regular base is $6.85 to $7.40 per gallon, works. The liquid (30 to 1) basis 3 grams pyrethrins per 100 cubic centimeters, odorless base, is now $10.35 to $11.25 per gallon in barrels, works, and with the regular base it is $10.25 to $11.15 per gallon, works.

Pyrethrum flowers, fine ground, 0.9 percent pyrethrins, are quoted at 30 cents to 35 cents per pound in barrels at the works, and powder, 1.3 percent pyrethrins, is now 40 cents to 50 cents per pound, barrels, works.

Halogen Ingredients Replacing Beryllium

Major fluorescent light manufacturers will not use beryllium phosphor in their operations after June 30, it was announced last week by the Public Health Service. The action was taken after several years discussion with medical men toward eliminating the danger of beryllium in the lights.

One major producer, Sylvania Electric Products Corporation, New York, said last Friday it will substitute halo-phosphate phosphor, a combination of several ingredients, all in the halogen group.

In announcing the change, a committee of the Public Health Service and the industry reiterated its assertion that there is no danger from the lights when they are intact. The possible danger comes in the destruction of old lights. The committee stated that there have been reports of persons who cut themselves on broken lights and that the cuts healed slowly and often suffered swelling.

Antara Products Cuts Detergents Prices 3c

Antara Products, a division of General Aniline & Film Corporation, New York, has reduced prices 3 cents per pound on its non-ionic synthetic detergents marketed as the Antarox "A" series. At the same time, the organization announced the introduction of two additions to the line, Antarox "A-400" and "A-480."

The new products are aromatic polyethylene glycol ethers with similar uses and properties, according to the company. Their lack of odor and superior foaming qualities make them particularly valuable for the demands made upon detergents, the announcement said.

Silica Aerogel Price Cut

Monsanto Chemical Company, St. Louis, Mo., has effected a 22 percent reduction in the price of "Santocel," its silica aerogel for refrigeration and industrial insulation. H. J. Heffernan, general sales manager of the company's Merrimac Division, said that increased production has made possible a reduction from 64 cents to 50 cents per pound.

Sharples Lowers 'Nonic' Price

Sharples Chemicals, Inc., Philadelphia, has announced a reduction of about 10 percent in the price of non-ionic surface active agents sold under the trade name "Nonic." The reduction, effective May 1, was made possible by improvement in technology and by customer acceptance, according to the company.

Named Production Head

C. F. Bonnet has been appointed production manager of the industrial chemical division of the American Cyanamid Company, New York. George W. Russell has been named assistant sales manager of the same division. Mr. Bonnet, who has been with the company for more than fifteen years, was formerly assistant general sales manager of the division, and Mr. Russell was formerly manager of the new products development department.

Contents of This Issue

ACS Sections Elect 61
AIC Elects Four Councilors 60
American-Marietta Names Tomes 74
Antibiotics Certification approved 3
APhA Installs Officers 7

Bell Company Moves Offices 59
Bemis Bro. Promotes Finley 42
Boston BIMS Elects Johnson 7
Bralla, McGrath Form Company 5
Brooklyn Polytech Plans Summer Clinics .. 53

California Oil Producers Elect 45
Canadian Imports: Jan 67
Carbide & Carbon Has New Oil Upgrader .. 76
Carey Elects Humphrey, President 58
Carswell CSC Research Head 7
Celanese Has New Solvent 57
Chemical Workers Earnings: Feb 60
Cities Service to Build New Lube Plant 45
Commodity Exchange Act Revision Asked .. 3
Coca-Cola Elects Curtis 61
Creole, Pantepec Renew Oil Contract 45

Duncan Heads N.Y. Credit Men 57
Du Pont Plans New Paint Lab 76

ECA Chemical Authorization: 1st Year 3
ECA Lists Foreign Agencies 7
ECA Authorizes More Procurements 3
Electrochemical Society Elects Ferguson 7
Essential Oils World Trade 70

Fats, Oils Price Support Funds Urged 5
FDA Act Weakening Banned by Group 3
FDA-Detained Imports Bill Voted 3
Fisher Gets Goodyear Medal 75
Foote Mineral Names Ogburn 5

General Aniline Elects Forrestal, Pres 5
Gilchrist Gets NBS Post 59
Givaudan-Delawanna Holds Cocktail Party .. 70
Glycol Ethers of Wool-Wax Alcohols Made . 55
Goodyear Offers Resin Booklet 75
Government Patents Available 55
Graaskamp Am. Can Sales Head 5
Guenther Tendered Dinner 70
Gustin-Bacon Names Two 60

Hardinge Publishes Bulletin 75
Health Insurance Bill Hearings Set 3
Hercules Shifts Hanna 76
Hilton-Davis Seeks Printing Ink Vehicles ... 75
Hyman Publishes Booklet 42

Iraq Invites Drug Imports 67
Industrial Research Inst. Presents Medal 61
Innis, Speiden Buys Pacific Coast Co 7
ITO Committee Organized 5

Kay Joins Armour Foundation 41
Kelley Named President of Peasley Gaulbert 75
Koppers to Buy Freyn Engineering 58

Ladewig Heads Seventeen Club 55
L.A. Paint Techs. Discuss House Paints 75
Leimgruber Leaves Hoffmann-La Roche 57

Magnesium Assn. Elects 7
Mattiello Memorial Presentation Set 7
Missouri Drug Club Meets Wednesday 53

NACA Sixteenth Annual Meeting 5
National Distillers Elects Davis 5
Nat'l Cottonseed Products Assn. to Meet 7
Naval Stores Support Level Increased 3
NFA Publishes Pamphlet 42
Nitrogenates Capacity Increase Planned 42
Nitrogen Plant Fund Upped in Miss 42
N.Y. Paint Club Annual Meeting May 12 75
NY Paint Techs Elect Aloia 74

Oleic Acid Improvement Reported 5
Organic Sulphur Standards Available 54
Owens-Illinois Names Two 55

Patterson Awarded Medal 61
Peanut Bill Passes House 3
Penicillin Certification Rules Amended 3
Pennsalt Has Chlorinated Hydrocarbons 41
Peru Sets Soap Standards 60
Pharmaceutical Foundation Elects Beardsley. 7
Pharmacy Leaflet Revised 61
Phosphate Rock Data: 1947 43
Pitts. Paint Group Talks Oiticica 74
Plough Gets $3,000,000 Loan 54
Potash Salts Deliveries: First Quarter 3
Potassium Cyanate Data Issued 41
Purepac Making "Alcorub" 59

Quinidine Stockpiling Gets Special Handling. 54

Reichhold Resins Output by Dutch Planned. 5
Richards Gets OIT Post 61
Riedweg in New York 70

SAACI to Meet Thursday 7
Seebach Names Forster Agent 70
Sharp & Dohme to Start Lab Construction .. 7
Sherwin-Williams Has New Drying Oil 75
SOCMA to Hear McCutcheon 7
Sodium Trifluoroacetate Being Made 41
Solvay Has New Detergent 42
Streptomycin Royalties to Aid Research 58
Sugar Research Prize to Fischer 7
Sun Oil Advances Bradley 45
Sun Oil Names Wright 76
South Africa Curbs Imports 56
Stecker Chemicals Formed 5

Temple Gets Research Grant 55
Thomas Heads Chicago Credit Men 75
Tin World Production: 1947 45
Trimethylhexanol Made by Du Pont 5

U.S. Revenue Returns: March 66

General Features

Advertising Index 83
Association Meeting Dates 7
Bids Wanted 63
Classified Advertisements 82
Coke By-Products 46
Consulting Chemists and Engineers 63
Crude Oil Stocks 44
Current Market Quotations 9
Editorials 36
Foreign Sales Leads 5
Imports 56
Imports Detained 65
Industrial Chemicals Application 67
Obituaries 59
OPD Price Index 3
Washington Talks It Over 5
Who Has It 4
Trade Briefs 55, 59

Market Reports

Agricultural Chemicals 43
Botanical Drugs, Spices, Gums 65
Coaltar Chemicals 46
Drugs and Fine Chemicals 51
Essential Oils Other Aromatics 68
Fertilizer Materials (see Agric. Chem.).
Heavy Chemicals 38
Oils, Fats and Waxes 77
Petroleum Derivatives 44
Protective Coatings Materials 71
Textile and Leather Chemicals 49

Oil, Paint and Drug Reporter, Vol. 155, No. 19, May 9, 1949. Published every Monday by Schnell Publishing Company, Inc., 59 John St., New York 7, N. Y., U. S. A. Subscription prices—United States and possessions, Cuba, Central America and South America, $5 a year; Canada and Newfoundland, $7; other countries, $10. Entered as second-class matter, January 16, 1884, at the New York Post Office under the act of March 3, 1879. Copyright, 1949, by Schnell Publishing Company, Inc.

Coconut Oil Processing Tax Restoration Studied

Interested government agencies are reported to have entered no objection to the restoration of the 2 cents per pound processing tax on coconut oil imported into the United States from areas other than the Philippines, and a presidential proclamation putting the tax back into effect is said to be under consideration.

The tax, which applies to the first processing of the oil brought into the country, is in addition to the regular 3 cents per pound processing tax that is imposed on coconut oil imported from any foreign source, including the Philippines. The 2-cent tax was suspended in 1942 when supplies of copra and coconut oil from the Philippines were cut off by the war.

The Philippines government has been pressing for restoration of the 2-cent differential ever since world allocations of fats and oils were ended by the International Emergency Food Committee last February. Shortly before the ending of the allocations the Department of Agriculture issued import permits for a considerable quantity of coconut oil from Ceylon and other areas outside of the Philippines and it is understood that all of this oil has not yet been processed. Unless it is processed before the effective date of the proclamation, the oil will be subject to the added 2-cent tax. The President's proclamation would become effective thirty days after its issuance.

Olive Oil Import Duty Not to Get U.S. Probe

The United States Tariff Commission on May 4 denied the request of the Olive Advisory Board, San Francisco, for an investigation under section 336 of the tariff act of 1930 of imports of olive oil under paragraph 53 of the act.

The commission gave no reason for rejecting the request, stating only that the application had been denied and dismissed. Commissioner Edgar B. Brossard dissented from the action. The application for an investigation referred to olive oil in all size containers and was in behalf of an increase in duty.

Corn Products Advances Gamble and Rhamstine

The Corn Products Refining Company, New York, has elected William H. Gamble to its board of directors and has named John R. Rhamstine financial vice-president. Mr. Gamble, who succeeds Frank H. Hall, has been associated with the company since 1910. He is president of the Corn Products Sales Company and vice-president of the parent organization. Mr. Rhamstine joined the company in 1934, was appointed vice-president in 1947 and was elected a director in January of this year.

Chrome Chemicals Export Quota Restrictions Dropped

Export quota restrictions on chromic acid and potassium bichromate and chromate were removed on May 6 by the Office of International Trade. Exporters must continue to secure validated OIT licenses covering shipments of the chemicals, however, and must also observe all other applicable export regulations. The removal of quantitative export controls is based on marked improvement of domestic supplies of these products, OIT said.

Monsanto Making 2,4,5-T

The Monsanto Chemical Company, St. Louis, has started production of 2,4,5-trichlorophenoxyacetic acid, a weed killer said to be especially effective against poison ivy. The new product, related to 2,4-D can be used to combat brambles, brush and tree stumps, and will find its chief use in clearing railroad, electric and telephone rights-of-way.

Who Has It?

Inquiries in the OPD editorial office seek sources from which the materials listed below can be obtained. Information will be gratefully received here—

Aspirin, sodium.
Benzyl cellulose.
2,7-Diaminoacridin.
6,7-Dihydroxybenzofuranone.
Ethylsulphochloride.
Methyl parastearylaminophenyltrimethyl ammonium.
Nitrocarbonic acid.
Phenylurethane sulphochloride.
Piperonyl cyclohexanone.
Primuline and dehydro-4-toluidin sulpho acids, mixed.
Sulphydryl pentathionate.
3-Sulphododecyl-sodium benzoate.

Fats and Oils Price Support Funds Urged

Congress was urged April 29 to appropriate funds to the Commodity Credit Corporation for price support operations in the fats and oils markets and for more extended research on new uses for fats and oils.

The request was made by Blaine Liljenquist of the Western States Meatpackers Association, at a hearing before a subcommittee of the senate committee on agriculture. Mr. Liljenquest testified that producers of tallow, grease and lard presently are suffering heavily from the sharp price drops in the last year.

A major factor in the price drop for fats and oils, he said, is the soap industry's switch to synthetic detergents. In the past, he stated, the soap industry used about 8 percent of the inedible fats and this consumption is expected to fall in the future. He urged the committee to recommend that:—

The Department of Agriculture be provided with funds to carry on research for new uses for vegetable fats and begin research with animal fats; the Commodity Credit Corporation be allowed money to purchase 200,000,000 pounds of fats and oils to strengthen the market, and favorable consideration be given by Congress to legislation to place an equalization fee on imported fats representing the difference between parity for domestic oils and average monthly wholesale prices.

Oleic Acid Improvement Reported by U.S. Laboratory

Oleic acid of a new technical grade has been developed by the Eastern Regional Research Laboratory of the United States Department of Agriculture. It has a minimum oleic acid content of 90 percent, and, in distinction from the common red oil of commerce, it is said to have a low content of polyunsaturated acids. This is claimed to improve its resistance to oxidative deterioration and to give the material superior stability in color and odor.

The new acid is prepared by crystallization and distillation of fatty acids obtained from selectively hydrogenated animal fats. It contains some monounsaturated C_{18} acids other than cis-delta^9-octadecenoic acid. The physical properties of the acid are given as follows:

Oleic acid content (minimum)	90%
Polyunsaturated acid content (maximum)	4%
Iodine number	89-91
Melting point	14°-20°C.
Color, pale yellow.	
Acid number	198-201
Neutralization equivalent	279-283
Mackey test (one hour)	101°C.

Investigation of the new acid is invited by the laboratory with reference to its utilization in chemical syntheses, the preparation of textile lubricants and finishing agents, and the formulation of cosmetics. Samples may be got at request to the laboratory, Philadelphia 18, Pa.

Reichhold Resins Output By Dutch Company Planned

Reichhold Chemicals, Inc., Detroit, Mich., has concluded arrangements for the production of its synthetic resins by Kunstharsfabriek Synthese N. V., Sassenheim, Holland. The resins will be manufactured from the same formulas used in Reichhold plants in the United States and will be supplied to western European customers direct from the Dutch plant.

Foreign Sales Leads

Anyone interested in supplying the following inquiries with goods or information can get the full address of the inquirer by communicating — not by telephone, please—with OPD office:—

Asbestos, Osaka, Japan (DR-10).
Barium, metallic, Osaka, Japan (DR-9).
Chemicals, Belfast, Northern Ireland (DR-2, agency); Zurich, Switzerland (DR-13).
Citric acid, Hamburg, Germany (DR-6).
Citrus oil, Hamburg, Germany (DR-6).
Cosmetics, Zurich, Switzerland (DR-13).
Degreasing agents, Turin, Italy (DR-7).
Dyes, Belfast, Northern Ireland (DR-2, agency); Enschede, Holland (DR-12, agency).
Lacquer materials, St. Margareten, Switzerland (DR-3).
Lactose, Hamburg, Germany (DR-6).
Lard, Frankfurt, Germany (DR-5).
Oil cakes and meal, Copenhagen, Denmark (DR-4).
Oils & greases, Frankfurt, Germany (DR-5).
Paint materials, Lima, Peru (DR-1, agency).
Paraffin, Frankfurt, Germany (DR-5).
Perfumery, Zurich, Switzerland (DR-13).
Pigments, Lima, Peru (DR-1, agency).
Plywood adhesives, Turin, Italy (DR-8).
Soap making materials, Turin, Italy (DR-7).
Tallow, Frankfurt, Germany (DR-5).
Vanillin, Hamburg, Germany (DR-6); the Hague, Holland (DR-11).

Amer. Can Sales Head

L. W. Graaskamp has been named vice-president in charge of sales for the American Can Company, New York, to succeed W. C. Stolk, who was recently elected executive vice-president of the company.

Bralla, McGrath Form Paint Materials Company

The firm of Bralla & McGrath has been organized in New York to function as manufacturers' representatives in the eastern states, specializing in materials for the paint, varnish and lacquer manufacturing industry. Offices have been established at 220 Broadway.

Principals in the new organization are George M. Bralla and Walter P. McGrath, both of whom were formerly associated with the Valspar Corporation. Mr. Bralla was with the Valspar organization for seventeen years, and was executive vice-president at the time of his resignation. Mr. McGrath was general superintendent of Valspar's Brooklyn plant at the time of his resignation.

Stecker Chemicals Formed

Stecker Chemicals, Inc., has been organized in Ridgewood, N. J., by Dr. H. C. Stecker to manufacture and market chemical specialties. The new company will place special exphasis on custom designing products for control of molds and bacteria in agriculture and industry. Dr. Stecker was formerly associated with the chemical sales division of Edwal Laboratories, Inc., Chicago.

NACA Studies Industry Problems Resulting from Adverse Publicity

Grave problems facing the agricultural chemicals industry as a result of adverse publicity on the use of its products were the principle topics of concern at the sixteenth semi-annual meeting of the National Agricultural Chemicals Association, held at the Westchester Country Club, Rye, N. Y., on May 5 and 6.

Among the featured speakers were Dr. S. A. Rohwer, assistant chief of the Department of Agriculture's bureau of entomology and plant quarantine, and Dr. Paul G. Dunbar, Commissioner of the Food and Drug Administration. Both defended governmental regulations concerning agricultural chemicals, and both deplored growing public fear of their use.

Dr. Rohwer declared that pest control is essential if the United States is to produce the amount of food needed in the world today and that the use of pesticides is necessary if its food goals are to be reached. The present alarm over the use of chemicals, he said, is due to lack of education on the part of the public and an educational program is sorely needed.

In discussing the regulatory actions of his bureau, Dr. Rohwer pointed out that he is an entomologist, and not a toxicologist. When a government toxicologist presents him with findings on the effects of certain chemicals on plants, animals or humans, he added, he must accept these findings and act on them in regard to regulations concerning use and labeling of these chemicals.

Earlier that day, Lea S. Hitchner, executive secretary of the association, in his report to the members, had stated:—"In view of the fact that the Department of Agriculture has intimated that they will require certain labeling changes on many products, it was believed that they should be asked to supply to the industry the technical data for the requested changes."

Basis for Rulings Not Available

Dr. Rohwer stated that he cannot at this time supply research data or details on which his bureau based any requests for recent changes in labeling or use recommendations. He pointed out that the compilation and collation of such research data takes a very long time but action on it cannot be withheld until it is ready for release because it may involve possible danger to the public.

He expressed alarm over the current slowdown in the use of insecticides and feared that this will lead to smaller crops. Because of the current slowdown, Dr. Rohwer said, there may be a curtailment of production of agricultural chemicals and should a plaque of insects appear there would not be enough insecticides available to meet the demand that would arise.

To combat this, Dr. Rohwer advised

—*Continued on page 48*

ITO Committee Organized To Urge Charter Adoption

A Committee for the International Trade Organization has been formed, with headquarters in Washington, "to cooperate with all those who are interested in developing public understanding of the Havana charter." William L. Batt, president of SKF Industries, Inc., Philadelphia, is chairman of the group, and the following are serving as vice-chairmen:—

William L. Clayton, former Under Secretary of State for economic affairs and chief of the United States delegation to the Havana conference; Morris S. Rosenthal, president of Stein, Hall & Co., New York; James D. Mooney, chairman of the board of Willys-Overland Motors, Toledo, and John A. Sibley, chairman of the Trust Company of Georgia, Atlanta.

In a published statement on the purposes of the group, Mr. Batt stated:—"We have purposely stressed banking, business and industry in the formation of this committee because the public has been given the impression that 'business,' as a whole, is opposed to the Havana charter and the International Trade Organization for which it provides.

"By including distinguished citizens from other walks of life we also recognize that the issue transcends solely business considerations and reflects the aspirations of all good Americans for world economic stability as the essential foundation of world peace."

General Aniline Elects Forrestal Vice-President

The General Aniline & Film Corporation, New York, has elected James Forrestal vice-president in charge of the Ansco and Ozalid divisions of the company, to succeed E. A. Williford, who recently resigned. Mr. Forrestal joined Ansco in 1933 and for the past year has been general manager of the Ozalid division. He was elected president of the National Association of Photographic Manufacturers last year.

Washington Talks It Over

By Ralph L. Cherry

A half a loaf is not better than none in the opinion of the Washington labor lobbyists, and that was the reason for the action of the house last week in recommitting the repealer of the Taft-Hartley act and re-enacting some of its most controversial features. The surprising action was not a fluke, but a carefuly engineered piece of strategy by the labor bosses who are now looking to the congressional campaign of 1950 to solidify their position.

Not much stock is being placed upon the statements of the Democratic leadership in the house that they will try to bring a new bill up for consideration before adjournment. They will go through the motions of holding hearings and attempting to compromise the issues, but right there is where the stumbling-block can be found. The labor bosses are in no compromising mood and are perfectly willing to wait another year to get what they want.

Maybe labor's new strategy is good, and maybe not. Only time can tell whether the labor bosses made a mistake in refusing to accept a watered-down version of the repeal bill and in holding out for their repeal program. Certainly, another year's operation under the Taft-Hartley law will give proponents of the law more time to consolidate their forces and present even a stronger front against any changes in the law.

The senate was completely flabbergasted over the turn of affairs in the house, and the leadership isn't sure now just what its plans may be on repeal legislation. The sentiment seems to be to let the house wrestle with the problem alone. If it can pass a bill, then the senate will take it up. If not, the matter will be dropped.

African Health Campaign

The Economic Cooperation Administration has taken the first step in the development of colonial Africa with United States aid. An American scientist and an insecticide expert have been assigned to make a preliminary survey of conditions affecting the control of trypanosomiasis (African sleeping sickness) and malaria in East and West Africa.

The prevalence of trypanosomiasis and malaria is probably the most important single factor preventing the development of potentially productive mineral and agricultural lands in dependent teritories in Africa, ECA says. Trypanosomiasis is almost invariably fatal to man unless treated early. And while it is a hazard to colonization and development, the disease in domestic animals has been an even greater barrier to development of the area.

The two experts assigned to the job, Dr. Frederick J. Brady, of the Public Health Service, and Harry H. Stage, of the Department of Agriculture, will draw heavily on the extensive research programs on the control of tropical diseases before and during the war. Developments in the use of DDT and other insecticides against mosquitoes and other insects will be utilized extensively in the program.

Congress Not Economical

Among the several good points about the legislative reorganization law which Congress passed several years ago was a provision for setting a ceiling on the amount of funds that would be appropriated by Congress during the year. The obvious purpose was to generate some semblance of economy in government spending and prevent Congress from running hog-wild through the taxpayers' pocketbooks.

The plan has never been given a fair trial, and it appears now that it might be wiped off the statute-books entirely. In 1947, the house and the senate never were able to agree on the spending ceil-

—*Continued on page 36*

Trimethylhexanol Produced Commercially by du Pont

Trimethylhexanol, a long-chain primary alcohol is now being produced for the first time on a commercial scale by the ammonia department of E. I. du Pont de Nemours & Co., Wilmington. Technically known as 3,5,5-trimethylhexan-1-ol, it is a colorless, mobile liquid of mild odor.

Esterification is regarded by the company as the most important commercial reaction of the new product because some of its esters appear promising as plasticizers, synthetic lubricants, additives to lubricating oils to improve viscosity index, and for other applications.

Foote Mineral Names Ogburn to Directorate

The Foote Mineral Company, Philadelphia, has appointed Dr. S. C. Ogburn jr. to its board of directors. Dr. Ogburn, who is the company's manager of research and development, will continue to direct its accelerated research and development program.

He joined the Foote organization last year after serving as manager of research and development of the Pennsylvinia Salt Manufacturing Company since 1943. Prior to that association he had served successively as project engineer, technical supervisor and research manager of the General Chemical Company.

Nat'l Distillers Elects Davis Board Chairman

The National Distillers Chemical Corporation, subsidiary of the National Distillers Products Corporation, has elected F. B. Davis jr. chairman of the board. Mr. Davis was formerly chairman of the board and chief executive officer of the United States Rubber Company, and is a director of National Distillers Products Corporation.

V 155 19 MAY 9 1949 XUM

MAN-HOURS OF RESEARCH

BEHIND EVERY N.Y.Q. PRODUCT STAND COUNTLESS HOURS OF UNTIRING RESEARCH

Whether you require a BISMUTH SALT suitable for the manufacture of a suspension, powder or tablet, N.Y.Q. as one of the oldest producers of fine chemicals for the Pharmaceutical trade is your logical source of supply. Backed by over fifty years of research and production experience, **N.Y.Q. BISMUTH** compounds are sure to meet your most stringent requirements.

MANUFACTURERS OF:

Bismuth Betanaphthol	Bismuth Oxychloride	Bismuth Subiodide
Bismuth Citrate	Bismuth Potassium Tartrate	Bismuth Subnitrate
Bismuth Ammonium Citrate Solution 50%	Bismuth Salicylate Acid 40%	Bismuth Subsalicylate
Bismuth Hydroxide	Bismuth Subcarbonate	Bismuth Tribromophenate
Bismuth Nitrate	Bismuth Subgallate	Bismuth Trioxide

NYQ

The Full Line Fine Chemical House

The NEW YORK QUININE & CHEMICAL WORKS, Inc.

GENERAL OFFICES: **99-117 NORTH ELEVENTH STREET • BROOKLYN 11, NEW YORK**

CHICAGO PLANT: **729 WEST DIVISION STREET • CHICAGO 10, ILLINOIS**

Association Meetings

American Association of Cereal Chemists, Statler hotel, New York, May 16-20.
American Association for Advancement of Science, Vancouver, B. C., June 13-18.
American Association of Textile Chemists and Colorists, Chalfonte-Haddon Hall, Atlantic City, N. J., October 13-15.
American Chemical Society, Atlantic City, N. J., September 18-23.
American Electroplaters Society, Schroeder hotel, Milwaukee, Wis., June 27-30
American Institute of Chemical Engineers, William Penn hotel, Pittsburgh, Pa., December 4-7.
American Management Association, packaging exposition, Altantic City, N. J., May 10-13.
American Oil Chemists Society, Roosevelt hotel, New Orleans, La., May 10-12.
American Petroleum Institute, Chicago, November 7-10.
American Pharmaceutical Manufacturers Association, Homestead hotel, Hot Springs, Va., June 9-11.
American Plant Food Council, Mount Washington hotel, Bretton Woods, N. H., June 19-22.
American Society for Testing Materials, Chalfonte-Haddon Hall, Atlantic City, N. J., June 19-22.
American Spice Trade Association, Edgewater Beach hotel, Chicago, May 9-11.
American Water Works Association, Stevens hotel, Chicago, May 30-June 1.
Associated Chain Drug Stores, New Yorker hotel, New York, September 25-29.
Chemical Institute of Canada, Halifax, Nova Scotia, May 30-June 1.
Chemical Market Research Association, annual business meeting, New York, June 9.
Drug, Chemical and Allied Trades Section, New York Board of Trade annual meeting, Shawnee Inn, Shawnee-on-Delaware, Pa., September 22-25.
Electrochemical Society, LaSalle hotel, Chicago, October 12-14.
Federal Wholesale Druggists Association, Atlantic City, N. J., October 5-8.
Federation of Paint and Varnish Production Clubs, Chalfonte-Haddon Hall, Atlantic City, N. J., November 3-5.
Flavoring Extract Manufacturers Association, Drake hotel, Chicago, May 16-18.
Institute of Food Technologists, Civic Auditorium, San Francisco, Calif., July 10-14.
International Congress of Biochemistry, Cambridge, England, August 19-25.
International Congress of Military Medicine and Pharmacy, Mexico City, Mexico, October 23-29.
International Union of Chemistry, Amsterdam, Netherlands, September 6-10.
Liquefied Petroleum Gas Association, Palmer House, Chicago, May 9-11.
Manufacturing Chemists Association, Skytop Inn, Skytop, Pa., June 2-3.
National Association of Insecticide and Disinfectant Manufacturers, Drake hotel, Chicago, June 13-14.
National Association of Purchasing Agents, Stevens hotel, Chicago, June 20-22.
National Association of Retail Druggists, Seventy-First Regiment Armory, New York, September 18-22.
National Cottonseed Products Association, French Lick Springs, Ind., May 23-25.
National Foreign Trade Council, Waldorf-Astoria hotel, New York, October 31-November 2.
National Fertilizer Association, White Sulphur Springs, W. Va., June 13-15.
National Fruit and Syrup Manufacturers Association, Drake hotel, Chicago, May 19.
National Paint, Varnish and Lacquer Association, Chalfonte-Haddon Hall, Atlantic City, N. J., October 31-November 1.
National Pest Control Association, Biltmore hotel, Los Angeles, Calif., October 17-19.
National Petroleum Association, Traymore hotel, Atlantic City, September 14-16.
National Wholesale Druggists Association, Ambassador and Ritz-Carlton hotels, Atlantic City, N. J., October 8-13.
Navy Industrial Association, Waldorf-Astoria hotel, New York, September 28.
Pacific Chemical Exposition, San Francisco Civic Auditorium, November 1-5.
Packaging Institute, annual forum, Commodore Hotel, New York, October 24-26.
Packaging Machinery Manufacturers Institute, Edgewater Beach hotel, Chicago, October 31-November 2.
Proprietary Association, Greenbrier hotel, White Sulphur Springs, W. Va., June 1-3.
Society of Chemical Industry, Manchester, England, July 11-15.
Society of Cosmetic Chemists, Spring meeting, Biltmore hotel, New York, May 20.
Society of the Plastics Industry, Edgewater Beach hotel, Chicago, May 26-27.
Synthetic Organic Chemical Manufacturers Association, Commodore hotel, New York, May 11, annual outing, Shawnee Inn, Shawnee-on-Delaware, Pa., June 7-9; annual meeting, Commodore hotel, New York, December 7.
Toilet Goods Association, Waldorf-Astoria hotel, New York, May 17-19.
Western Conference on Packaging, Packing and Shipping and Western Packaging Exposition, San Francisco Civic Auditorium, August 9-12.

SOCMA to Hear McCutcheon

Dr. John W. McCutcheon, consulting chemist and specialist in the field of synthetic detergents and soaps, will be the featured speaker at the monthly luncheon meeting of the Synthetic Organic Chemical Manufacturers Association, to be held at the Commodore hotel, New York, on May 11. Dr. McCutcheon will discuss "The Economic Position of Synthetic Detergents."

Electrochemical Society Elects Ferguson President

Dr. Alfred L. Ferguson, professor of chemistry at the University of Michigan, was elected president of the Electrochemical Society at its ninety-fifth meeting last week in Philadelphia. Other officers chosen by the group were:—

Vice-president, Dr. J. C. Warner, dean of graduate studies, Carnegie Institute of Technology; secretary, Dr. Henry B. Linford, assistant professor of chemical engineering, Columbia University, and treasurer, E. Gideon Widell, member of the research staff of the Radio Corporation of America.

Technical sessions of the meeting were devoted to symposiums on luminescence, rare metals and theoretical electrochemistry and to an industrial electrolytic round table discussion and an electrothermic round table discussion.

The symposium on rare metals heard J. E. Boohe, E. I. du Pont de Nemours & Co., discuss "Recent Developments in Titanium." Mr. Booge described the present status of titanium research and development and forecast its increasing importance as a potentially valuable material of construction.

In another paper presented at the same session, L. W. Strock, E. J. Clugston and W. P. Henderson, Saratoga Laboratories, Saratoga Springs, N. Y., discussed the geochemical distribution or rare metals and the present status of their commercial exploitation. The paper illustrated the discovery of new sources of rare metals in low grade ore by spectrographic prospecting, and described the recovery of such metals from byproducts of plants and the processing of ores containing very small amounts of rare metals.

Sharp & Dohme to Start Research Lab Construction

Sharp & Dohme, Inc., pharmaceutical manufacturer, Philadelphia, is planning to commence construction of its new medical research laboratories at West Point, Pa., in September. It is expected that the $4,000,000 structure will be ready for occupancy in the Spring of 1951.

Planned to accommodate the activities of the medical research division, which have outgrown their present quarters in Glenolden, Pa., the new building will be four stories high and will have 110,000 square feet of floor space. Included will be facilities for the organic chemistry, pharmaceutical chemistry, biochemistry, immunochemistry, pharmacology, bacteriology, nutrition, virology, and antibiotic research departments.

Sugar Research Prize Awarded to Dr. Fischer

The Sugar Research Foundation presented its fourth annual sugar research prize of $5,000 to Dr. Hermann O. L. Fischer, of the biochemistry department of the University of California, at a dinner in the Waldorf-Astoria hotel, New York, on May 5. The prize is administered by the national science fund of the National Academy of Sciences.

Dr. Fischer was cited for his research in developing new chemicals from sugar and improving others which was "vital not only to progress in organic chemistry, biochemistry and physiology, but basic to better understanding of nutritional problems." The award was presented by Dr. Hans Clarke, of Columbia University.

Mattiello Memorial Presentation Set for May 16

The Mattiello Memorial Collection, containing literature on surface coatings and related subjects, will be presented to the Polytechnic Institute of Brooklyn on May 16. The date is the first anniversary of the death of Dr. Joseph J. Mattiello, one of the leaders of the industry.

The ceremony will take place at the institute, 99 Livingston street at 8 p.m. The collection will be accepted by Dr. Harry S. Rogers, president of the institute, following an outline of the personal, academic and industrial activities of Dr. Mattiello.

SAACI to Meet Thursday

The Salesmen's Association of the American Chemical Industry will hear Dr. S. B. Kirkpatrick, editor-in-chief of *Chemical Engineering*, discuss "Putting Words to Work" at its luncheon meeting on May 12 at the Roosevelt hotel, New York. Dr. Kirkpatrick's talk will point out the value of a broader understanding of all phases of human activities in the chemical industry.

CSC Research Head

T. S. Carswell has been appointed vice-president in charge of research and development of the Commercial Solvents Corporation, New York. Mr. Carswell has been manager of the company's research and development department for the past three years. He was formerly associated with the Monsanto Chemical Company.

ECA Lists Foreign Agencies Buying in U. S.

The Economic Cooperation Administration has published a list of foreign purchasing agencies and missions under government supervision functioning under ECA financed programs. ECA stressed that the policy of the United States government favors the use of private commercial channels in international trade, but recognizes that the continuance of certain purchasing activities by foreign government agencies may be necessary.

French Agencies Numerous

Among the agencies listed as purchasing for France were:—Groupement for the Purchase of Petroleum Products, 44 Beaver street, New York, which purchases raw petroleum, gasoline, fuel oil, lubricants, kerosene and paraffin; Groupement for the Purchase of Fats and Oils, 1328 Eighteenth street, N. W., Washington, which buys fats and oils in all their forms; Groupement for the Purchase of Feedstuffs, 1800 Massachusetts avenue, N. W., Washington, purchases high protein feeds, oilcake, meatmeal and fishmeal.

Groupement for Purchase of Nonferrous Metals, 44 Beaver street, New York, purchases antimony, copper, copper alloys, lead, zinc, cadmium, bismuth, tin and aluminum; Groupement for the Purchase of Pharmaceuticals, 44 Beaver street, New York, purchases pharmaceuticals and re-

—*Continued on page 57*

APhA Installs Officers At Jacksonville Meeting

Dr. Glenn L. Jenkins, dean of the college of pharmacy at Purdue University, was installed as president of the American Pharmaceutical Association at its recent ninety-sixth annual meeting in Jacksonville, Fla. Other officers seated were:—

Honorary president, Robert C Wilson, dean emeritus of the College of Pharmacy, University of Georgia; first vice-president, Harold C. Kinner, secretary of the District of Columbia Board of Pharmacy; second vice-president, Leib L. Riggs; secretary, Robert P. Fischelis, and treasurer, Hugo H. Schaefer, dean of the Brooklyn College of Pharmacy.

The association's Ebert Prize for outstanding research in pharmacy was presented to Dr. Robertson Pratt, University of California College of Pharmacy, for his work on chemicals that may be added to penicillin in trace amounts to increase its effectiveness.

Boston BIMS Elect Johnson Chairman

The BIMS of Boston has elected Warren E. Johnson, U. S. Industrial Chemicals, Inc., chairman, to succeed M. E. Nourse, Howe & French, Inc. C. Ernest Ingham, Ingham of Boston, was reappointed to the executive committee, and E. E. Aldrich, United Drug Company, was renamed secretary. Mr. Nourse was made an honorary member.

The organization is planning golf outings during May, August and September, and has scheduled the first at the Woodland Golf Club, Auburndale, Mass., on May 19.

Nat'l Cottonseed Products Ass'n to Meet May 23-24

The National Cottonseed Association will hold its annual meeting at the French Lick Springs hotel, French Lick, Ind., on May 23 and 24. The program for the meeting is as follows:

May 23

The meeting will be opened by Irvin Morgan, president of the association, and will hear reports by Mr. Morgan, S. M. Harmon, secretary-treasurer, and T. H. Gregory, executive vice-president. A. L. Durand will report for the committee on charter and by-laws, and there will be reports from the rules committee and arbitration committees. In addition, there will be addresses by Dr. Frank H. Jeter, North Carolina State College, and by "The Kentucky Colonel."

May 24

The morning session will hear an address by Representative Harold D. Cooley, chairman of the house agricultural committee, on "A National Program," and a talk by John T. Graves on the subject "It Is Harder to Preserve Liberty Than to Obtain It." There will also be a supplementary report of the rules committee and the report of a special committee on charter and by-laws.

In addition, reports will be presented by A. L. Ward, educational director of the association; Christie Benet, general counsel; W. D. Lowe, chairman of the traffic committee; E. R. Barrow, chairman of the technical advisory committee, and T. C. Law, chairman of the committee on uniform feed laws.

The afternoon session will be devoted to the election and installation of the new president; election or directors; reports of special committees, and other new and unfinished business.

Pharmaceutical Foundation Elects Beardsley President

The American Foundation for Pharmaceutical Education recently elected a new slate of officers at its annual meeting. They are:—president, Charles S. Beardsley, Miles Laboratories, Inc.; first vice-president, Dean H. Evert Kendig, Temple University; secretary and managing director, Dr. E. L. Newcomb; treasurer, S. B. Penick sr.; S. B. Penick & Co.; counsel, James F. Hoge. In addition, the following were elected to the executive committee:—Edgar S. Bellis, president of the National Association of Retail Druggists; Dr. Robert L. Swain, Topics Publishing Company, and George V. Doerr, McKesson & Robbins, Inc.

Ernest Little, former dean of the New Jersey College of Pharmacy, was elected to serve on the board of grants together with Dr. A. J. Brumbaugh, of the American Council on Education. The foundation voted $20,000 for undergraduate scholarship awards and $115,000 for continuing and new domestic and foreign fellowship awards. Also provided was $6,000 for the pharmaceutical seminar for pharmacy teachers, to be held June 27 to July 8 at the University of Wisconsin. A sum of $5,000 was voted for the *Journal of the American Association of Colleges of Pharmacy* and a total of $7,000 for the completion of the pharmaceutical survey program.

Innis, Speiden Buys Pacific Coast Company

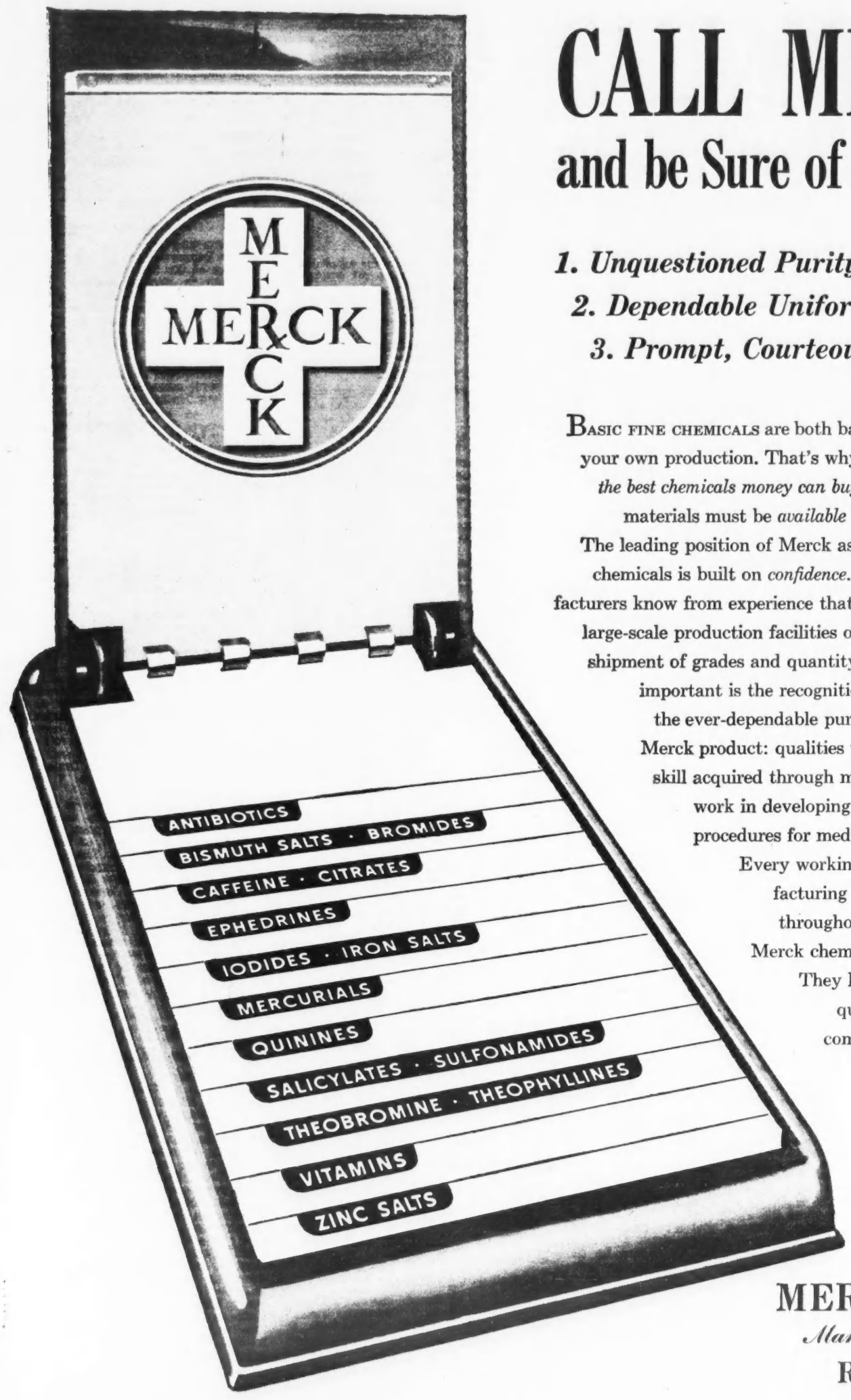
Innis, Speiden & Co., New York, has acquired, as a wholly owned subsidiary, the E. S. Browning Company, manufacturers representative, San Francisco and Los Angeles, Calif. W. H. Sheffield, president of the New York firm, said that the Browning organization will continue to operate under its own name, but will sell all of Innis, Speiden's chemicals, insecticides, gums and waxes, in addition to the products which it currently handles.

Edgar S. Browning will continue to function as president and general manager of the west coast company, and E. A. Smith, formerly head of the gum department of Innis, Speiden, has joined the Browning organization to coordinate its activities with those of the New York firm. The Browning company has been active in the chemicals field in the Pacific area since 1931, and represents a large number of manufacturers, mostly in the heavy chemicals industry.

Magnesium Ass'n Elects

The Magnesium Association elected A. W. Winston, Dow Chemical Company, Midland, Mich., president at its recent annual meeting in Chicago. H. B. Megill, Dominion Magnesium, Ltd., Toronto, was elected vice-president.

V 151 19 MAY 9 1949 XUM



CALL MERCK
and be Sure of All Three:

1. Unquestioned Purity
2. Dependable Uniformity
3. Prompt, Courteous Service

BASIC FINE CHEMICALS are both backbone and lifeblood of your own production. That's why you insist on ordering *the best chemicals money can buy;* and that's why these materials must be *available whenever you need them.* The leading position of Merck as a manufacturer of fine chemicals is built on *confidence.* Pharmaceutical manufacturers know from experience that the vast resources and large-scale production facilities of Merck ensure prompt shipment of grades and quantity lots required. Equally important is the recognition by chemical users of the ever-dependable purity and uniformity of a Merck product: qualities which are results of the skill acquired through many decades of pioneer work in developing production and testing procedures for medicinally used chemicals. Every working day, countless manufacturing plants and laboratories throughout the nation are using Merck chemicals in their processes. They have found that Merck quality and service are a combination hard to beat.

MERCK & CO., Inc.
Manufacturing Chemists
RAHWAY, N. J.

FINE CHEMICALS FOR THE PROFESSIONS AND INDUSTRY SINCE 1818

Current Market Quotations

Chemicals and Related Materials

May 6, 1949

Unless otherwise indicated, listings are first-hand quotations on large lots, f.o.b. New York. Changes and trends are noted in the market reports, with other informative comment. The locations of these reports are given in the table of contents on page 4. The figures in the two columns do not represent bid and asked prices nor a range over the week. They are the quotations prevailing on the date above, on the basis of differences in one or more of these factors:—Quantity, quality, locality, individual supplier's views.

All matters under this heading fully protected by copyright.

A

Acacia (see Gum, arabic).

Acetaldehyde, 99%, dms., c.l., works lb. .11½- .12
l.c.l., works lb. .12 - .13
tanks, works lb. .09½- .10

Acetaldol (see Aldol)

Acetamide, CP, fib. dms lb .65 .75
tech., fib. dms lb. .38 .43

Acetanilide, tech., bbls., c.l., dlvd. or frt. equald lb. .22 - .23½
l.c.l., ton lots lb. .23 - .24½
smaller lots lb. .26 - .27½
USP, bbls., 2,000-lb. lots lb. .50 —
smaller lots lb. .56 - —

Acetic anhydride, dms. c.l., frt. alld. E lb. .14 - —
l.c.l., frt. alld. E lb. .15 - .15½
tanks, frt. alld. E lb. .12½- —

Acetoacetanilide, bbls., dlvd lb .67½ —
fib. dms., c.l., works lb. .65 - —
l.c.l. lb. .67½- —

Acetoacetorthoanisidide, dms., wks., 500 lbs. or more lb. 1.50 - —
smaller lots, same basis lb 1.75 - —

Acetoacetorthochloranilide, bbls., works lb 1.15 - —

fib. dms., c.l., works lb. 1.14 - —
l.c.l., same basis lb. 1.15 - —

Acetoacetorthotoluidide, bbls., dlvd lb .90 - —
lb. .71 - —
fib. dms., c.l. works lb. .72 - —
l.c.l. lb. .69 - —

Acetone, CP, dms., c.l., dlvd lb. .09½- 10
l.c.l., dlvd lb. .07½- —
tanks, dlvd

Methyl (see MD.

Acetonitrile, dms., c.l., works lb .40 —
l.c.l., works lb .45 —

Acetophenetidin USP, bbls., works, frt equald lb. 1.10 1.20

Acetophenone, cns., dms lb. 1.30 1.35
tech., l.c.l., dms., works lb 75 —

Acetoacetoparaphenetidide, d m s., 500 lbs. or more, works, lb. 1.65 —
smaller lots, same basis lb 1.90 —

Acetyl chloride, cbys., works lb. .50 - .60

Acetyltributyl citrate, dms lb. .43 .45
smaller pkgs lb. .48 .54

Acetyltriethyl citrate, dms lb. .36 .38
smaller pkgs lb. .41 .47

Acid, abietic, dms., c.l., works lb .07½ —

Acetic, com'l or redist., 28%, bbls 100 lbs. 4.00 - —
56%, bbls 100 lbs. 7.00 - —
70%, bbls 100 lbs. 8.40 - —
80%, bbls 100 lbs. 9.40 - —
glacial synthetic, CP, cms., works 100 lbs.11.50 - —
USP, cbys., works 100 lbs.15.50 - —
tech., dms., c.l., works 100 lbs. 9.00 - —
l.c.l., works 100 lbs. 9.50 - —
tanks, works 100 lbs. 7.50 - —

Acetic acid price ranges above are for 40 bbls. or more and for smaller lots. Carboys and cases are 50c. per 100 lbs. higher.

Acetic anhydride (see Acetic anhydride above).

Acetylsalicylic, USP, special, bbls., makers, primary distrib., point of ship't, 100-lb. lots lb. .53 - —
standard, fine, cryst., gran., (30-40 mesh) powd. (80 mesh) bbls same basis, lb. .48 - —

Freight equald, ship't identical quantity over standard routes, from N. Y., Phila., Midland, Mich., Chicago and St. Louis.

Adipic, fib. dms., works lb. .26½- —
Aminoacetic, NF, bbls., frt. adjusted lb. 1.50 1.75
Anthranilic, resub., bbls lb. 2.10 - —
tech., bbls. lb. 1.05 1.10
Arsenous, tech. (see Arsenic, white).
Ascorbic, USP, dms., 500-kilo lots kilo.24.50 - —
25-50 kilo lots kilo.25.00 - —
10-kilo lots kilo.25.35 - —
5-kilo lots kilo.25.70 - —
bots., kilo lots kilo.26.41 - —
500 grams kilo.27.47 - —
Battery, cbys., c.l., E. works. 100 lbs. 1.60 1.75
l.c.l., E. works 100 lbs. 2.15 2.85
Benzoic, tech., bbls., 4,000 lbs. or more lb. .43 - —
1,000 to 3,900 lbs lb. .44 - —
900 lbs. or less lb. .47 - —
USP, bbls., 4,000 lbs. up lb. .54 - —
1,000 to 3,900 lbs. lb. .55 - —
900 lbs. or less lb. .58 - .59
dms., 4,000 lbs. up lb. .55 - .56
1,000 to 3,900 lbs lb. .56 - .57
900 lbs. or less lb. .58 - .59
Betaoxynaphthoic, bbls., works lb. 1.25 1.43
Boric, tech., 99½%, cryst., bgs., c.l., works ton.115.25 - —
ton lots, ex whse, N. Y. or Chi ton.160.00 - —
less ton lots, same basis, ton.165.00 - —
bbls., c.l., works ton.135.25 - —
ton lots, ex whse., N. Y. or Chi ton.180.00 - —
less ton lots, same basis, ton.185.00 - —
bulk, c.l., works ton.111.75 - —
gran., bgs., c.l., works ton.90.25 - —
ton lots, ex whse., N. Y. or Chi ton.135.00 - —
less ton lots, same basis, ton.140.00 - —
bbls, c.l., works ton.110.25 - —
ton lots, ex whse., N. Y. or Chi ton.155.00 - —
less ton lots, same basis, ton 160.00 - —
bulk, c.l., works ton.86.75 - —
powd., bgs., c.l., works ton.95.25 - —
ton lots, ex whse., N. Y. or Chi ton.140.00 - —

Acid, boric, tech., 99½%, powd., less ton lots, same basis ton.145.00 - —
bbls., c.l. works ton.115 25 - —
ton lots, ex whse., N. Y. or Chi ton.160.00 - —
less ton lots, same basis, ton.165.00 - —
bulk, c.l., works ton.91.75 - —
USP $25 per ton higher.

Broener's bbls. lb. 1.34 - 1.45

Butyric, 99%, dms., c.l., works lb. .34½ —
l.c.l., works lb. .35 —
tankcars, works lb .33 —

Cacodylic, bots. lb.12.00 -13.00

Camphoric, natural, dms lb 6.00 - 6.75
synth., dms lb. 5.25 - 8.00

Capric, tech dms lb 50 .50½

Caprylic, 99%, dms lb 50 .50½

Castor oil, split, dms lb. .21 - 22

Chlorosulphonic, dms., c.l. works lb 03 —
l.c.l. works lb. 03½ 04½
tanks, works lb. 02½ —

Chromic, 99½-99¾%, dms., c.l. works lb. .25½ —
l.c.l. works lb. .26 .27
USP, 5 lb bots. lb. .82 - —

Cinnamic, ref'd., bots lb. 3.00 4.00

Citric, anhyd., gran., fine gran., dms., c.l. lb. .26½- —
10,000 lbs., 1 ship't lb .27 - —
smaller lots lb. .27½- —
kgs. lb. .28½- —

Anhydrous citric acid powder, ½c per lb higher

USP, cryst., dms., c.l. lb. .27½- —
10,000 lbs., 1 ship't lb .28 —
smaller lots lb .28½ —
kgs. lb. .29½- —
gran., fine gran., dms., c.l. lb. .24½- —
10,000 lbs., 1 ship't lb. .25 —
smaller lots lb .25½- —
kgs lb. .26½ —

USP citric acid powder ½c. per lb. higher.

Cleve's, mixed, bbls lb. .65 - .66

Coconut oil, dist., dms. lb. .22¾- .23¾
double, dist., dms lb. .24¾- .25¾

Corn oil, s.d., dms lb. .10 Nom.

Cottonseed oil, dist., dms lb. .09½- .10½

Cresylic, com., coattar, high boil 50% (210°-215°), c.l., frt. equald gal. 1.36 - 1.41
l.c.l., same basis gal. 1.39 - 1.44
tanks, same basis gal. 1.30 —
low boil, 50% (204°-206°), and special blends, c.l., same basis gal. 1.41 - 1.46
l.c.l., same basis gal. 1.44 - 1.49
tanks, same basis gal. 1.35 - —

Acid, cresylic, dom., petroleum, 185 C. to 205 C, non-ref., dms., c.l., San Francisco and Los Angeles gal. 1.005 —
l.c.l., same basis gal. 1.025 1.045
tanks, same basis gal. 925 —

190°C. to 220°C. non-ref., dms c.l., San Francisco and Los Angeles gal. 93 —
l.c.l., same basis gal. 95 97
tanks, same basis gal. 85 —

210°C. to 240°C. non-ref. dms., c.l., San Francisco and Los Angeles gal. 745 —
l.c.l., same basis gal. 765 785
tanks, same basis gal 665 —

235 C. to 271°C. non-ref. dms., c.l., San Francisco and Los Angeles gal. 62 —
l.c.l., same basis gal. 72 74
tanks, same basis gal. 62 —

Crotonic, bbls., Canadian, works lb 35 —

Dichlorophenoxyacetic, (see "D", 2, 4-D)

Diethylbarbituric (see Barbital)

Diglycolic, bgs., works lb. .22 —

Ethylhexoic, dms., c.l., works lb. .31 —
l.c.l., works lb. .31½- —
tanks, works lb 29½ —

F, bbls., works lb 1.73 1.78

Folic, bots., fib. ctns., kilo or more gram. 2.00 - —

Formic, 85%, cbys., c.l., dlvd lb. 13 - 13½
l.c.l., dlvd lb. 13½- 14
90%, cbys. c.l., dlvd lb. 13½ 14
l.c.l., dlvd lb. 14 14½

Fumaric, tech., bbls., dms lb 30 31

Gallic, NF V, bbls., 1,000-lb lots lb 1.60 —
smaller lots lb 1.63 1.65
technical, bbls., 1,000 lb lots lb 1.43 —
smaller lots lb 1.46 1.48

Gamma, bbls. lb. 1.20 1.30

Gluconic, tech., 50%, bots lb. 23 .31
dms lb 14 —
kgs. lb. 16 —

Glutamic, laevo, 99%, fiber dms., 100 lb lots, works lb. 2.30 2.40
25 lb. lots lb. 2.45 - —

Glycerophosphoric, 35%, dms., works lb. 2.15 —

Glycolic (see Acid, hydroxyacetic)

H, 100% basis, bbls., works lb. 73½- —

Hydriodic, 45-47%, cbys lb. 2.69 —
57%, cbys lb. 2.83 2.85

Hydrobromic, medicinal, 48%, cbys., dlvd E lb. 38 —
tech., 48%, cbys., dlvd E lb. 34 36
34%, cbys., dlvd E lb 35 37

Hydrochloric (see Acid muriatic)

Hydrocyanic, cyls., works lb. 1.00 - —
dilute, NF, 2%, 5-lb. bots lb. .35 - —

Acid, hydrofluoric, anhyd., cyls., works lb. .19 .19½
tanks, works lb. .16½ —
39%, steel dms., works lb. .03½ .09
70% steel dms. works lb 15¾ 16¼

Hydrofluosilicic, 30-35%, bbls lb. .08 .09

Hydroxyacetic, tech., 70%, bbls., non-return., Phila lb. 084 —
tanks, Belle W. Va., 100% basis lb 085 —

Hypophosphorus, USP, djns lb. .75 .77

J, bbls., works, 20% basis lb. 2.64 2.87

L, bbls., works lb. 80 95

Lactic edible, 50%, bbls., 20 or more lb. 16 18
smaller lots lb. 17 19
80%, bbls. 20 bbls. or more, lb. 28½ —
plastic grade 50% bbls., 20 or more lb 19¾ —
10 or less lb 20¾ —
80%, bbls., 5 or less lb 3370 3400

tech. 22%, bbls. c.l., works 100 lbs 5.80 —
l.c.l., works 100 lbs. 6.20 —
cbys., works 100 lbs. 6.70 —
44%, bbls., c.l., works 100 lbs 10.95 —
l.c.l., bbls., works 100 lbs. 11.35 —
cbys., works 100 lbs 11 85 —

NF 85%, cbys lb .69 72

Laurent's, bbls lb. 87 —

Lauric, dist., 85-90%, dms lb. .23 - 23½
60%, dms. lb. .25 - 25½

Linseed oil, reg dist., dms lb. .3180- .3230
water white dms lb. .3480- .3530

Maleic, powd., dms lb 30 31
Anhydride (see MD.

Malic, dms. lb 47 —

Mandelic, NF, dms., 1,000-lb. lots lb. 1.85 —
smaller lots lb. 1.90 2.10

Mixed, tanks, nitric unit lb. .05½ 06
sulphuric unit lb. .0085 009

Molybdic, dms., 85%-92%, works lb. .92 .95

Monochloroacetic, purified, flake, 99%, dms lb. .22½- .23½
tech., flake, 96-97%, bbls lb. .18 - .19

Muriatic, 18°, cbys., c.l., E. works 100 lbs. 1.65 —
l.c.l., E. works 100 lbs 2.05 2.75
tanks, E. works ton 18.00 —
20°, cbys., c.l., E. works 100 lbs 1.90 —
tanks, E. works ton 20 1 - —
22°, cbys., c.l., E. works 100 lbs. 2.40 - —
tanks, E. works ton 23.00 - —
CP, USP, consumers, cbys., extra, c.l., frt. equald lb. 07¾ —
l.c.l., same basis lb. 09¼ 09¾
5 pint bottles extra, cs., c.l., frt. equald lb. 12¾ —
l.c.l., same basis lb. 14¼ 15¼
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Myristic, dist., dms lb 45 Nom.

Naphthenic 220-230 acidity, dms., works lb. 15 —
tanks, works lb. 12 —
230-240 acidity, dms., works lb. 22 —
tanks, works lb. 19 —

Naphthol(1)-4-sulphonic (see Acid, Neville and Winther's)

Naphthol (1)-5-sulphonic see Acid, L).

Naphthol(1)-5-sulphonic,8-amino (see Acid, S).

Naphthol(1)-3,6-disulphonic,8-amino (see Acid, H)

Naphthol(2)-6,8-disulphonic (see Acid, Gamma)

(5)-7-Sulphonic,2-amino (see Acid, J).

Naphtholsulphonic, mixed (see Acid, Cleve's, mixed)

Naphthylamine(1)-5-sulphonic (see Acid, Laurent's)

(2)-6-sulphonic (see Acid, Broener's)

(2)-7-sulphonic (see Acid, F).

(2)-1-sulphonic (see Acid, Tobias).

Neville and Winther's, dms lb. 88 91

Nicotinic, USP, dms., works kilo 8.00 8.30

Nicotinic amide (see Nicotinamide)

Nitric 36° cbys. c.l., E. works 100 lbs 5.00 —
l.c.l., E. works 100 lbs. 5.40 6.10
38° cbys. c.l., E. works 100 lbs. 5.50 —
l.c.l., E. works 100 lbs. 5 90 6.60
40° cbys. c.l., E. works 100 lbs. 6.00 6.50
l.c.l., E. works 100 lbs. 6.40 7.10
42° cbys., c.l., E. works 100 lbs. 6.50 7.00
l.c.l., E. works 100 lbs. 6.90 7 60

CP, NF, consumers, cbys., extra, c.l., frt. equald lb. .11½ —
l.c.l., same basis lb. .13 .13½
5 pint bottles extra, cs., c.l., frt equald lb. .15½ —
l.c.l., same basis lb. .17 .18
Acid, muriatic, CP, USP, prices to dealers 1½c. per pound less.

Oleic (see Oil, red).

Oleum (see Acid, sulphuric, fuming)

Orthocresotinic dms. c.l., works lb. .67 —
l.c.l. works lb. .69 —

Oxalic, bbls., c.l., works lb. .14½ —
10,000 lbs., works lb. 14¾ 15
smaller lots, works lb. .15¼ 15¾

Palm oil, white, dist., dms lb. .21¼ 21¾

Para-aminobenzoic, purified, dms., 100 lbs., works lb. 3.75 - —
smaller lots, same basis lb. 3.85 4.00

Para-aminosalicylic, dms., 100 lbs. lb.20.00 —
smaller lots lb.20.15 -21.00

Paramethylphenylcinchonic (see Neocinchophen)

Paranitrobenzoic, cns. lb. .87 —

Paratoluidinmetasulphonic, bbls., works lb .92 95

Peanut oil s.d., dms lb. 12¼ Nom.

Perchloric 60% cbys., works lb. 58 62
70-72%, cbys., works lb 61 66

Phenylacetic, bots lb 1.51 1.75

Phenylcinchoninic (see Cinchophen)

Phenylglycollic (see Acid, mandelic).

Abbreviations

Used in OPD Market Quotations

alld.	allowed	distr.	distributor	neut.	neutral
ammo.	ammonia	djns.	demijohns	NF	National Formulary
amorph.	amorphous	dlvd.	delivered		
anhyd.	anhydrous	dms.	drums	nom.	nominal
a.p.a.	available phosphoric acid	dom.	domestic	No.	number
		E	east	ord.	ordinary
artif.	artificial	e.p.	end point	oz.	ounce
ASTM.	American Society for Testing Materials	equald.	equalized	Pac.	Pacific
		F.	fahrenheit	pf.	proof
Be.	Baume	ferment.	fermentation	phos.	phosphate
bgs.	bags	ffa.	free fatty acid	photo.	photographic
bbls.	barrels	ffc.	free from chlorine	pkgs.	packages
bls.	bales			powd.	powdered
bots.	bottles	fib.	fiber	precip.	precipitated
b.p.	boiling point	f.o.b.	free on board	prod.	producer
b.p.l.	bone phosphate of lime	F.P.A.	free of prussic acid	pt.	point
		frt.	freight	pulv.	pulverized
b.r.	boiling range	fus.	fused	purif.	purified
bxs.	boxes			redist	redistilled
C	centigrade	gal.	gallon	refd.	refined
cbys.	carboys	gran.	granular	refy.	refinery
CD	completely denatured	grd.	ground	reg.	regular
		i.&a.	iron and aluminum	resub.	resublimed
c.i.f.	cost, insurance, freight			ret.	returnable
cks.	casks	i.b.p.	initial boiling point	SD	specially denatured
c.l.	car lots			s.d	single distilled
cns.	cans	imp.	imported	S. E.	southeast
col.	color	incl.	included	secs	seconds
com'l	commercial	indust.	industrial	s.g.	specific gravity
conc.	concentrated	kgs.	kegs	ship't	shipment
CP	chemically pure	lacq.	lacquer	solut	solution
cps.	centipoises	lb.	pound	s.u	standard unit
cryst.	crystal	l.c.l.	less than car lots	synth.	synthetic
cs.	cases	liq.	liquid	tech.	technical
ctns.	cartons	m.a.p	mixed aniline point	USP	U. S. Pharmacopoeia
cyls.	cylinders	min.	minimum	vis	viscosity
dbl.	double	m.p.	melting point	VM&P	varnish makers & painters
denat.	denatured	N	nitrogen	W	west
dest.-dist.	destructive-distilled	nat.	natural	w.w.	water white
dextro.	dextrorotatory			whse	warehouse
dist.	distilled				

A unit-ton is 2,000 pounds of 1 percent of the basic constituent or other standard of the material. The percentage figure of the basic constituent multiplied by the price figure shown gives the price of 2,000 pounds of the material

V 151 19 MAY 9 1949 XUM

Acid, Phosphoric—Alphanitronaphthalene

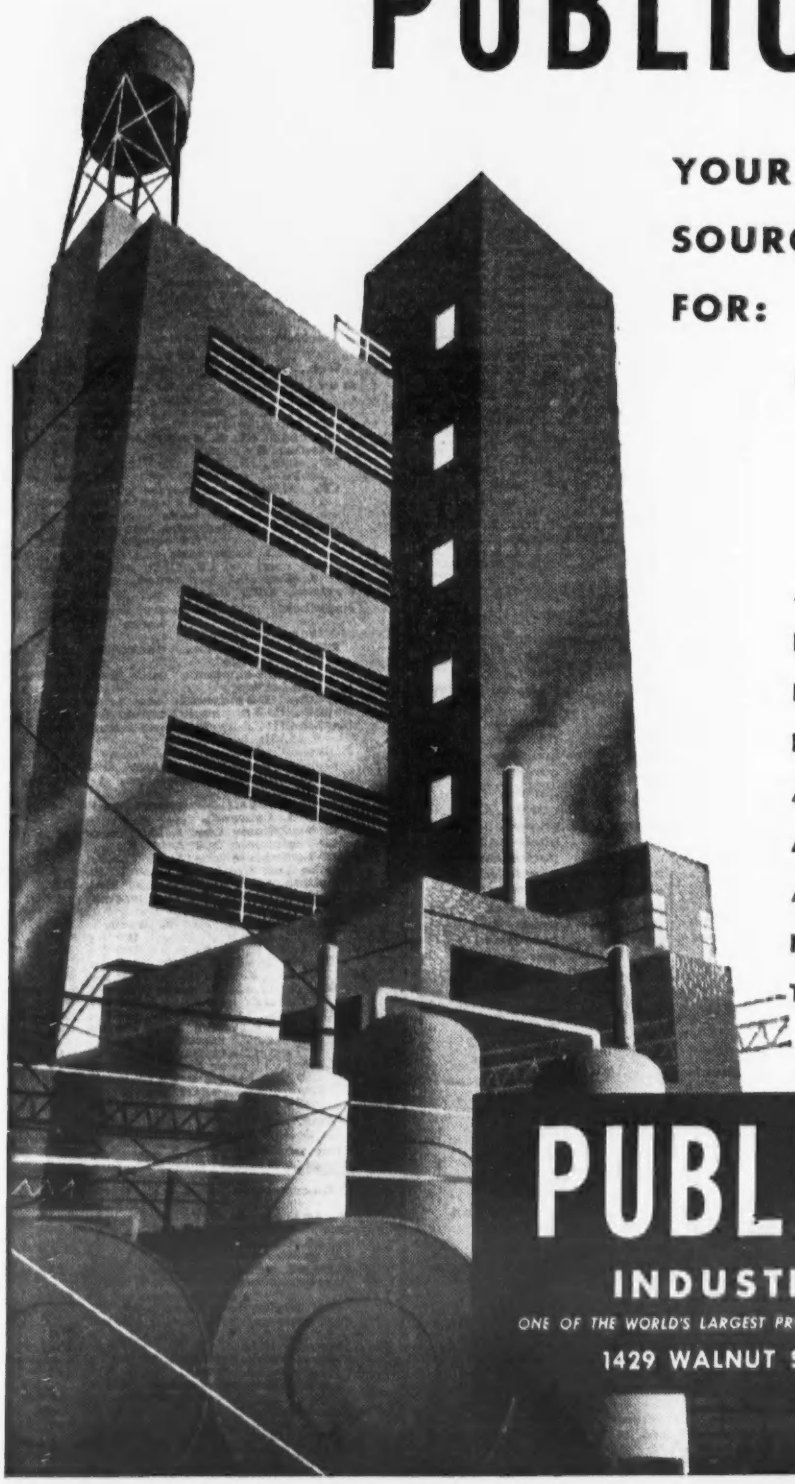
Acid, phosphoric, food grade, 75% cbys., c.l., works, frt. equald 100 lbs. 6.50 - —
t.c.l., works, frt. alld. 100 lbs. 7.50 - —
tanks, works, frt. equald 100 lbs. 4.50 - —
NF, 85% cbys., c.l. lb. 10½ - —
For shipments in cbys., add handling charges.
Picramic, bgs. lb. .65 - .7
Picric, tech., bbls lb. .32 - .33
NF, bbls. lb. .42 - —
Propionic, nat., dms., works lb. .18 - —
tanks, works lb. .17 - —
synth., pure, dms., works lb. .22 - —
tanks, works lb. .21 - —
Pyrogallic, tech., bbls lb. No prices.
NF, cryst., dms lb 2.95 - 3.18
resub., dms lb 2.45 - 3.60
Pyroligneous, bbls., incl., t.c.l., ex wkse gal. .43 - —
Ricinoleate (see Acid, castor oil, split).
S, bbls., works lb. 2.97 - 3.00
Salicylic, tech., bbls., c.l. lb. .31 - —
smaller lots lb. .33 - —
USP, cryst., bbls., c.l. lb. .40 - —
smaller lots lb. .50 - —
powder, bbls., c.l. lb. .45 - —
smaller lots lb. .55 - —
Sebacic, purif., dms., c.l., works, lb. .52 - —
t.c.l., works lb. .54 - .58
Soybean oil, single dist., dms lb. .1140 - .1220
double dist., dms lb. .1240 - .1340
Stearic, double pressed, bgs. lb. .14½ - .15½
single pressed, bgs lb. .14 - .15
triple pressed, bgs. lb. .16¾ - .17¾

Acid, succinic, bbls., cryst., purified, works lb. .90 - —
tech., bbls., works lb. .67 - .75
Sulphanilic, CP, bags., works lb. 1.60 - 1.63
tech., bbls., works lb. .65 - .75
Sulphuric, 60° Be, cbys., c.l., E. works 100 lbs. 1.40 - —
t.c.l., E. works 100 lbs. 1.80 - 2.50
tanks, E. works ton.13.75 - —
66°Be, cbys., c.l., E. works 100 lbs. 1.65 - —
t.c.l., E. works 100 lbs. 2.05 - 2.75
tanks, E. works ton.17.00 - —
98%, tanks, E. works ton.18.00 - —
CP, NF, consumers, cbys., extra, c.l., works, frt. equald lb. .07¾ - —
t.c.l., same basis lb. .09¼ - .09¾
5 pt. bottles extra, cs., c.l., works, frt. equald lb. .11¼ - —
t.c.l., same basis lb. .12¼ - .13¾
fuming, 20%, tanks, E works, ton.19.00 - —
Tallow, dist., dms lb. .10¼ - .11¼
Tannic, tech., 60-62%, dms lb. .68 - .69
70-72%, dms. lb. .80 - .85
75-76%, dms. lb. .86 - .90
USP, fluffy, bbls., 1,000-lb. lots, lb. 1.45 - —
smaller lots lb. 1.47 - 1.55
powder, bbls., 1,000 lb. lots lb. 1.35 - —
smaller lots lb. 1.30 - 1.50
Tartaric, USP, dom., bbls., 10,000 lbs., 1 ship't lb. .34½ - —
smaller lots lb. .35 - —
100-lb. dms lb. .36 - —
small, dms lb. .38 - .40
imported, kgs lb. .34 - .36

Acid, thioglycolic, refined, bbls., cbys., basis 100% lb. 1.95 - 2.00
tech., bbls., cbys., basis 100% lb. 1.40 - —
Tobias, bbls. lb. .65 - —
Trichloroacetic, bots. lb. 2.00 - 2.50
Toluenesulphonic, dms., works, t.c.l. lb. .20 - —
c.l., tanks lb. .18½ - —
Tungstic, tech., kgs., works lb. 2.20 - 2.40
Aconite leaves, bls. lb. .55 - .60
Root, bbls. lb. .70 - .75
Aconitine, amorph., mild, bots. oz.27.50 -32.50
cryst., potent, bots oz.85.00 - —
Acrylonitrile, dms., c.l., works lb. .36½ - —
t.c.l., works lb. .37 - .55
tanks, works lb. .35 - —
Adeps lanae (see Lanolin)
Adonis vernalis herb, bls lb. .35 - .40
Agar, USP. lb. 2.70 - 2.85
Agaric, white, bls lb. 1.50 - 1.75
Agrimony herb, bls lb. .35 - .40
Alanine, dextro-laevo, dms., works, lb. 8.50 -11.00
Albumen (egg), edible, flake, bbls lb. 2.42 - 2.50
powd., bbls lb. 2.47 - 2.85
tech., cryst., bbls lb. 1.30 - 1.35
Albumin, blood, dark (see Blood, dried, soluble)
light, dms., t.c.l. lb. .70 - .75
Egg (see Albumen).
Alcohol, allyl, dms., c.l., dlvd lb. .26½ - —
t.c.l., dlvd. lb. .27½ - —
tanks, dlvd. lb. .25 - —
Amyl, ex pentane, dms., c.l., frt. alld. E. of Miss lb. .18 - —
t.c.l., frt. alld. E. of Miss lb. .19 - —
tanks, frt. alld. E. of Miss lb. .17 - —
(see also Fusel oil, ref.)

Alcohol, amyl, fermentation, refined, 126-132°C, dms., c.l., dlvd. lb. .33½ - —
t.c.l., dlvd lb. .34½ - —
tanks, dlvd lb. .32 - —
128-132°C, dms., t.c.l., dlvd. lb. .36 - —
ACS grade, dms., t.c.l., dlvd lb. .42 - —
Benzyl, cns gp. .72 - .80
dms. lb. .68 - .68
Butyl, normal, ferment., Ill., Ind. prod., dms., c.l., frt. alld lb. .15½ - —
t.c.l., frt. alld. E lb. .16½ - —
tanks, frt. alld. E lb. .14 - —
tankwagon, frt. alld. E. lb. .14½ - —
other production, dms., c.l., frt. alld. E lb. .15½ - —
t.c.l., frt. alld. E lb. .16½ - —
tanks, frt. alld. E lb. .14 - —
Normal synthetic butyl alcohol prices in West .01c. per lb. higher
secondary, dms., c.l., dlvd lb. .12 - —
t.c.l., dlvd. lb. .12½ - —
tanks, dlvd. lb. .10½ - —
tertiary, dms., c.l. lb. .13½ - —
t.c.l., dms. lb. .14 - —
tanks lb. .12 - —
Caprvl, dms., c.l., works lb. .26 - —
t.c.l. works lb. .27 - —
tanks, works lb. .24½ - —
Cetyl, dom., CP., fiber cns., 1,000 lbs lb. 1.50 - —
smaller lots lb. 1.55 - —
Cinnamic, bots lb. 2.80 - 3.55
Denatured, CD12, CD13, CD14, dms., dlvd. E. of Miss. R gal. .34½ - .35
t.c.l., dlvd. E. of Miss. R. gal. .38½ - .44
tanks, dlvd. E. of Miss. R. gal. .25 - —
Tankcar sales require written authorizations by Alcohol Tax Unit.
SD1, 190 pf., dms., c.l., dlvd. E. of Miss. R gal. .33½ - .34
t.c.l., same basis gal. .37½ - .43
tanks, same basis gal. .24 - —
SD29, dms., c.l., E. of Miss. R. gal. .31½ - .32
t.c.l., same basis gal. .45½ - .41
tanks, same basis gal. .22 - —
SD23H, dms., c.l., dlvd. E. of Miss. R gal. .34½ - .35
t.c.l., same basis gal. .38½ - .44
tanks, same basis gal. .25 - —
SD29, denatured, with acetaldehyde, dms., c.l., dlvd. E. of Miss. R gal. .32 - .32½
t.c.l., same basis gal. .36 - .41½
tanks, same basis gal. .22½ - —
When any of the several SD29 denaturants is supplied by the purchaser, the prices are the same as those of SD21 plus 1½c. per gal. denaturing charge.
Proprietary solvent, dms., c.l., dlvd. E. Miss. R. gal. .34½ - .35
t.c.l., same basis gal. .33½ - .44
tanks, same basis gal. .25 - —
Tankcar sales require written authorization by Alcohol Tax Unit.
Special solvent (see Alcohol, denat., proprietary).
Diacetone, acetone free, dms., c.l., dlvd lb. .13½ - .16½
t.c.l., dlvd lb. .14 - .17½
tanks, dlvd lb. .12 - .15
tech., dms., c.l., dlvd lb. .14 - .15½
t.c.l., dlvd lb. .16 - .16½
tanks, dlvd lb. .12½ - .14
Ethyl, 190 pf., USP, tax paid, dms., c.l., dlvd. E. Miss. R gal.17.40½-17.41
t.c.l., same basis gal.17.44½-17.50
tanks, same basis gal.17.31 - —
tax free, dms., c.l., dlvd. E. Miss. R gal. .30½ - .31
t.c.l., same basis gal. .34½ - .40
tanks, same basis gal. .21 - —
absolute, 200 pf., tax paid, dms., c.l., same basis gal.18.37½-18.38
t.c.l., same basis gal.18.41½-18.47
tanks, same basis gal.18.28 - —
Ethylhexyl, dms., c.l., works lb. .30 - —
t.c.l., same basis lb. .30½ - —
tanks, same basis lb. .28½ - —
Furfuryl, tech., cns., works lb. .30 - —
dms., c.l., works lb. .21½ - —
t.c.l., works lb. .23 - —
tanks, works lb. .18 - —
Hexamyl (see Alcohol, amyl, refined, fermentation).
Iso-octyl, dms., c.l., works lb. .29¼ - —
t.c.l., works lb. .29¾ - —
tanks, works lb. .27¾ - —
Isopropyl, refd., 91% dms. incl., c.l., dlvd gal. .32½ - —
t.c.l., dlvd gal. .35½ - —
tanks, dlvd gal. .22½ - —
95% dms. incl., c.l., dlvd gal. .34 - —
t.c.l., dlvd gal. .37 - —
tanks, dlvd gal. .24 - —
NF, 99% dms. incl., c.l., dlvd. gal. .35½ - —
t.c.l., dlvd gal. .38½ - —
tanks, dlvd gal. .25½ - —
Methyl (see Methanol).
Methylamyl (see Carbinol, methylisobutyl).
Octyl, perfumer's grade, bots lb. 2.40 - —
Pantothenyl (see Panthenol).
Phenylethyl, cns. lb. 1.40 - 1.70
Polyvinyl, type A, fiber-pack, Niagara Falls lb. .65 - .70
type B, fiber-pack, same basis lb. .60 - .68
Propyl, normal, dms., c.l., dlvd. lb. .09½ - —
t.c.l., works lb. .10 - —
tanks, works lb. .08 - —
Salicyl (see Saligenin).
Tetrahydrofurfuryl, cns., Cedar Rapids, Ia. lb. .47 - —
dms., c.l., Waverly, N. Y. lb. .40 - —
t.c.l., same basis lb. .44 - —
tanks, Niagara Falls, N. Y. lb. .36 - —
Aldol, 95% dms., works lb. .15 - .16
denaturing grade, dms. gal. 1.33 - 1.48
Aletris root, bgs. lb. 1.50 - 1.60
Algin, bbls., fib. dms lb. .76 - 1.00
Alizarin (see Red, alizarin).
Alkanet root, bgs. lb. .45 - .50
Allspice, Jamaica (see Pimento), Mexican, bgs lb. .14½ - .14¾
Allyl bromide, cuys., 5,000 lbs., works lb. .99 - —
smaller lots, works lb. 1.05 - 1.10
Chloride, dms., c.l., dlvd lb. .16½ - —
t.c.l., dlvd. lb. .17 - —
tanks, dlvd. lb. .15 - —
Aloe, cape, cs lb. .35 - .40
Curacao, kgs. lb. .35 - .36
Socotrine, kgs lb. .35 - .36
Aloin, USP, bbls., dms., kgs lb. 3.75 - 4.05
Alphacellulose, bgs., c.l., works lb. .04 - .15
Alphanaphthol, bbls lb. .70 - —
Alphanaphthylamine, bbls lb. .41 - .42
Alphanaphthylthiourea, 93-98%, fib. dms., works, frt. alld lb. 4.00 - 4.40
Alphanitronaphthalene, bbls lb. .37 - —

PUBLICKER



YOUR DEPENDABLE SOURCE OF SUPPLY FOR:

ETHYL ALCOHOL
- *Pure (USP)*
- *Denatured*
- *Proprietary Solvent*
- *Anhydrous (200 proof)*

ACETONE

BUTYL ALCOHOL

BUTYL ACETATE

ETHYL ACETATE

ACETIC ACID

ACETALDEHYDE

AMYL ACETATE

PACO SOLVENT

THERMO ANTI-FREEZE

PUBLICKER INDUSTRIES INC.

ONE OF THE WORLD'S LARGEST PRODUCERS OF ALCOHOL AND SOLVENTS

1429 WALNUT ST., PHILA. 2, PA.

Cresylic Acid

WILLIAM D. NEUBERG CO., INC.

Chemicals

GRAYBAR BUILDING • 420 LEXINGTON AVE. • NEW YORK 17, N. Y.

TELEPHONE OREGON 9-2550

CABLE—"WILNEUBERG"

Alphapicoline—Antimony Oxide

Alphapicoline, ret. dms., c.l., works, frt. equald..lb. .27 - .30
l.c.l., works, frt. equald.....lb. .29½- .30
Alphapinene, tanks, South, works.....gal. .47 - —
Alphaterpineol, dms., l.c.l., dlvd. E. lb. .18 - —
Alphatocopherol, bots.....kilo.600.00 -
Acetate, bots.....kilo.600.00 -
Althea root, NF, peeled, bls.....lb. .30 - .35
Alum, ammonia, gran., bbls., works, 100 lbs. 3.80 - —
lump, bbls., works.....100 lbs. 4.05 - —
powd., bbls., works....100 lbs. 4.20 - —
USP, burnt, bbls. .....lb. .20 - .21
hydrous, bbls. .....lb. .07¾- .08
Potash, gran., bbls., works 100 lbs. 4.05 - —
lump, bbls., works.....100 lbs. 4.25 - —
powd., bbls., works....100 lbs. 4.45 - —
USP, hydrous, bbls. .....lb. .07¾- .08
Potash-chrome, bbls.....lb. .12½- .15
Soda, bbls., c.l., works.....100 lbs. 3.25 - —
l.c.l., dlvd.....100 lbs. 4.25 - 5.00
Alumina, calcined, bgs., c.l., works..lb. .03½- —
l.c.l., works .....lb. .04¾- .06¾
crystalline (see Aluminum oxide).
Aluminum acetate, basic solution, 24%, bbls., l.c.l., works..lb. .11 - —
20%, bbls., l.c.l., works....lb. .10 - —
Chloride, anhyd., com'l, dms., c.l., dlvd..lb. .10 - —
l.c.l., dlvd. .....lb. .10½- —
cryst., com'l, dms., c.l., works.lb. .0650- —
l.c.l., works .....lb. .0690- —
NF, gran., dms., works .....lb. .27 - .28
solution, 32°, cbys., c.l., works lb. .02¾- —
l.c.l., works .....lb. .03¼- —
Fluoride, tech., anhyd., bbls., c.l., frt. equald..lb. .10 - —
l.c.l., frt. alld.....lb. .11 - .13

Aluminum formate, basic solution, cbys., c.l..lb. .09½- —
l.c.l., works.....lb. .10 - —
Hydrate, heavy, bgs., c.l., frt. equald..ton.50.00 -54.00
l.c.l., works.....ton.72.00 -86.00
light, bgs., dlvd.....lb. .17 - —
Hydroxide, gel, pharmaceutical, 14-15% Al_2O_3, fib. dms., works..lb. .21¼- —
contract, works.....lb. .20¼- —
9-9½% Al_2O_3, fib. dms., works..lb. .18¼- —
contract, works.....lb. .17¼- —
dried, USP XII, fib. dms., works. lb. .79½- —
contract, works.....lb. .76½- —
powder, tech. (see Aluminum hydrate).
Laurate, precip., bbls.....lb. .42 - —
Linoleate, solid, dms., frt. alld. lb. .48 - —
Metal, 98-99%, ingots, 10,000 lbs. lb. .17 - —
pigs, 10,000 lbs.....lb. .16 - —
Naphthenate, liq., 1.7%, frt. alld. lb. .24½- .25
Oleate, dms., contract.....lb. .43¾- —
Oxide, amorphous (see Alumina, calcined).
crystalline, 280-400 crystalline, flour, classified, 3-240 mesh, dms., frt. alld..lb. .14 - .15
kgs., ton, frt. alld....lb. .12½- —
smaller lots, frt. alld. lb. .13 - .15
280-400 mesh, dms., frt. alld..lb. .32 - .33
kgs., frt. alld.....lb. .31 - —

Aluminum oxide, crystalline, flour, classified, 500 mesh, dms., frt. alld..lb. .35 - .37
kgs., frt. alld.....lb. .34 - —
600 mesh, dms., frt. alld.. lb. .51 - .53
kgs., frt. alld.....lb. .50 - —
optical, floated, kgs., dlvd....lb. .36 - .46
unclassified, dms., frt. alld. lb. .16 - .17
kgs., frt. alld.....lb. .15 - —
high-purity, alpha or gamma, ultrafine, dms., works..lb.13.50 - —
jars, works.....lb.15.00 -17.00
Aluminum oxide flour prices W. of Denver ¼c. per lb. higher.

Paste, lining, extra fine, dms..lb. .53 - —
standard, dms.....lb. .39½- —
Powder, lining, extra fine, dms..lb. .96 - —
standard, dms.....lb. .64½- —
rubber comp., dms.....lb. .48½- —
unpolished, standard, dms....lb. .44½- —
varnish, standard, dms.....lb. .49 - —
Aluminum powder and paste prices are f.o.b. shipping point. Add 1c. per lb. for 100-lb. dm., 1½c. per lb. for 50-lb. dm., 3c. per lb. for 10-lb. can, and 5c. to 12c. per lb. for smaller containers. Deduct 1c. per lb. for single shipment of 400 to 1,499 lbs., 2c. for 1,500 to 4,999 lbs., 3c. for 5,000 to 29,999 lbs., and 4c. for 30,000 lbs. or more. Where destination is within the continental U. S., a deduction equivalent to the lowest available common carrier transportation rate will be made from seller's invoice on orders of 700 lbs. or over.
Resinate, precip., dms., frt. alld.lb. .24¾- —
Stearate, dibasic, ctns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
monobasic, ctns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —
tribasic, ctns., c.l.....lb. .30 - —
l.c.l. .....lb. .31 - —

Aluminum sulphate, com'l, bgs., c.l., works, equald..100 lbs. 1.50 - —
l.c.l., same basis .100 lbs. 1.90 - —
Iron-free, bgs., c.l., works, frt. equald..100 lbs. 2.75 - —
l.c.l., works.....100 lbs. 3.15 - —
NF, gran., dms., works.....lb. .27 - .28
powd., dms., works.....lb. .32 - .33
Trihydrate, heavy (see Aluminum hydrate).
Ambergris, gray, tins.....oz. 8.50 -12.00
Aminoazotoluene, bbls.....lb. .85 - —
Aminomethylpropanol, cns., dms., works..lb. .50 - .60
Aminoethylethanolamine, dms., c.l., works..lb. .51½- —
l.c.l., works .....lb. .52 - —
tanks, works .....lb. .50 - —
Aminophylline, USP, bots., kgs..lb. 6.00 - —
Aminopyrine, USP, bots., dms...lb. 6.00 - 6.10
Ammonia, anhydrous, fertilizer, tanks, works..ton.74.00 -85.00
pure, cyls., extra.....lb. .17 - .21
refrigeration, tanks, works..ton.77.50 - —
Aqua (29.4% NH_3), dms., c.l., works..100 lbs. 2.85 - 3.00
l.c.l., works.....100 lbs. 3.25 - 3.50
tanks, works, anhyd. basis..ton.76.00 -85.00
Ammoniac gum (see Gum, ammoniac)
Sal, gray, bgs., c.l., works, frt. equald..100 lbs. 7.05 - —
l.c.l., same basis..100 lbs. 7.45 - —
white, gran., bgs., c.l., works 100 lbs. 4.75 - —
l.c.l., works.....100 lbs. 6.25 - —
Ammoniacal liquor, tankcars, works. ton.80.00 -81.00
Ammonium acetate, purified, dms lb. .39 - .40
reagent, jars.....lb. .61 - .63
Benzoate, USP, dms., kgs., 4,000 lbs., frt. alld..lb. .80 - —
smaller lots, frt. alld...lb. .81 - 1.08
Biborate, bbls., c.l., works..ton.302.00 - —
ton lots, works.....ton.353.50 - —
less ton lots, works.....ton.360.50 - —
Bicarbonate, dms., works, c.l..lb. .05½- —
l.c.l., works, dms.....lb. .06 - —
Bichromate, bbls., works.....lb. .26 - .30
Bifluoride, dms., dlvd.....lb. .18 - .18¼
Bromide, gran., NF, bbls.....lb. .36 - .37
dms. .....lb. .37 - .45
powdered ammonia bromide 10c. per lb. higher.
Carbonate, USP, lump, dms ...lb. .18½- .22
powdered, 1c. per lb. higher.
Chloride, tech. (see Ammoniac, sal).
USP, bbls., dms., kgs.....lb. .20 - .22
Citrate, dibasic, bbls.....lb. .75 - —
dms. .....lb. .80 - .85
Fluoride (see Bifluoride).
Hydroxide (see Ammonia aqua).
Hypophosphite, NF, dms.....lb. 2.40 - —
Iodide, NF, jars.....lb. 3.96 - 4.00
Linoleate, plastic, 80%, dms., works..lb. .40½- —
kgs., works .....lb. .42½- —
25%, dms., frt. alld.....lb. .21½- —
tech., bbls., works .....lb. .37 - —
dms., works .....lb. .39 - —
Molybdate, metal grade, kgs..lb. .90 - —
chemical grade, bbls., kgs..lb. .85 - —
A.C.S., grade, dms .....lb. .88 - —
Nitrate, fertilizer grade, Canadian, 32.5% N, bgs., c.l., shipping point..ton.79.50 - —
dom., bgs., western works ton.58.00 -59.00
Nitrate-dolomite, 20.5% N, bgs., Hopewell, Va..ton.46.00 - —
Oleate, dms. .....lb. .30¾- —
Oxalate, fine gran., dms.....lb. .25 - —
dms., 100 lbs., lots .....lb. .27 - —
Pentaborate, gran., bbls., c.l., works..ton.212.00 - —
ton lots, works.....ton.265.50 - —
less ton lots, works....ton.270.50 - —
Ammonia pentaborate powder, $10 per ton higher.
Perchlorate, kgs .....lb. .25 - —
Persulphate, kgs.....lb. .25½- .28¼
Phosphate, com'l, bgs., c.l., works. lb. .08 - —
l.c.l., works .....lb. .08½- —
dibasic, NF V, bbls., dms....lb. .40 - —
tech., bgs., c.l., works.....lb. .08 - —
l.c.l., works .....lb. .08¼- —
Salicylate, NF, dms., kgs.....lb. 1.35 - 1.37
Silicofluoride, dms., works....lb. .12 - .13
Stearate, 28%, dms. .....lb. .21 - .31
paste, dms.....lb. .06½- —
Sulphamate, bbls., dms., works lb. .18 - .20
Sulphate, bulk, producing ovens ton.45.00 -48.00
Sulphide, liquid, 40-45% basis, 100%, dms., c.l., works. lb. .10½- —
l.c.l., works.....lb. .15½- —
tanks, dlvd. or frt. alld.lb. .09 - —
Sulphocyanide, tech. (see Ammonium thiocyanate).
Thiocyanate tech., bbls., c.l., works..lb. .15 - —
l.c.l., works.....lb. .16 - .19
Thioglycollate, highly purified, 100% basis, cbys..lb. 2.45 - —
commercial, same basis.....lb. 2.15 - —
Thiosulphate, jars.....lb. .32 - .36
Amphetamine hydrochloride, bots. lb.45.00 -50.00
Phosphate, bots .....lb.45.00 -50.00
Amyl acetate, ex fusel oil, tech., dms., c.l., dlvd..lb. .21½- .22
l.c.l., dlvd. .....lb. .22½- .23
tanks, dlvd. .....lb. .20½- —
ex pentane, dms., c.l., frt. alld. E. of Miss. R..lb. .21½- —
l.c.l., same basis.....lb. .22½- —
tanks, same basis.....lb. .20½- —
Alcohol (see Alcohol, amyl).
Butyrate, dms.....lb. .90 1.00
Chloride, mixed, tech., dms., c.l., works..lb. .07 - —
l.c.l., works.....lb. .08 - —
tanks, works.....lb. .06 - —
Ether (see Ether, amyl).
Mercaptan, dms., works.....lb. 1.10 - —
Nitrite, USP, bots.....lb. 1.75 - 1.83
Salicylate, cns .....lb. .77 - 1.03
Anethol, com'l, dms., works.....lb. .50 - —
NF, cns., dms .....lb. .77 - .82
Angelica root, dom., bls.....lb. .70 - .80
imported, bls.....lb. .98 - 1.00
Angostura bark, bls.....lb. .48 - .50
Anilin oil, dms., c.l., works, frt. alld..lb. .16 - —
l.c.l., works, frt. alld....lb. .17 - —
tanks, works, frt. alld.....lb. .15 - —
Salt, dms., works .....lb. .26 - —
Anise, Argentine, bgs.....lb. No stocks.
Chinese, star.....lb. .13½- .14
Cyprus, bgs.....lb. .20 - .20¼
Mexican, bgs.....lb. .16¼- .17
Syrian, bgs .....lb. .15¾- .16¼
Anisic aldehyde, bots., dms.....lb. 2.10 - 2.20
Annatto paste, bxs.....lb. .34 - .37
Seed, bgs .....lb. .20 - .21
Anthracene, 80-85%, bbls., works lb. .60 - .86
90%, bbls., works.....lb. .81 - 1.00
Anthraquinone, 99.5%, bbls.....lb. .85 - —
Antimony butter (see Antimony chloride).
Chloride, solut., cbys.....lb. .29 - .30
Metal, bulk, c.l., mines.....lb. .38½- —
Needle, cs .....lb. No stocks.
Oxide, ceramic grade, bgs., c.l., dlvd..lb. .34 - —
l.c.l., dlvd .....lb. .35 - —
paint grade, bgs., c.l., works. lb. .35¾- .36
l.c.l., works.....lb. .36¾- .37

cut your Shipping Costs...

PACKAGE IN ALCOA ALUMINUM TUBES

Aluminum is two-thirds lighter than other tube metals—an important factor in shipping costs. You save money along production lines, too. Light weight of Alcoa Aluminum Tubes minimizes worker effort when filling or storing, speeds handling.

Alcoa Tubes come in sizes up to 2½" in diameter, with specially designed necks to facilitate application of your product. For greases, lubricants and like products, a nozzle type of tube is available. Also, the blind end aluminum tube is ideal for buffing compounds.

Alcoa's Packaging Laboratory is set up to help you decide upon the feasibility of packaging your product in Alcoa Tubes. Send us a sample. Under no cost or obligation to you, we will conduct tests... help you arrive at a decision. Address: ALUMINUM COMPANY OF AMERICA, 685 Gulf Building, Pittsburgh 19, Pennsylvania.

Free Booklet! "Packaging in Alcoa Aluminum Tubes" describes filling and closing operations; gives weights and capacities of tubes; lists standard sizes, dimensions and tolerances, and has many more pages of helpful information. Write for "Packaging in Alcoa Aluminum Tubes" today.

PACKAGE IN ALCOA ALUMINUM TUBES Non-Toxic • Smart Appearance • Easy Dispensability
Good Economy • Greater Strength • Light Weight

Antimony salt, 65%, bgs., c.l., dlvd. E. of Miss ..... lb. No stocks.
Sulphide, 62-64%, bbls., c.l., works, lb. .26 - —
l.c.l., works ..... lb. .28 - —
Antimony-potassium tartrate (see Tartar emetic).
Antipyrene, USP, dms..... lb. 2.35 - 2.45
Apomorphine, USP, bots. ..... oz. 23.20 -23.70
Archil extract, bbls ..... lb. No rtocks.
Areca nuts, powd., bbls ..... lb. .22 - .25
Arecoline hydrobromide, NF, bots. oz. 6.10 - 6.75
Arginine hydrochloride, taevo kilo. 140.00 -150.00
Argols, min. 70%, bgs., shipment ports, per 100 kilos (100% purity) 18.00 -18.50
Arnica, flowers, bls..... lb. .45 - .90
root, bls. ..... lb. 1.45 - —
Arrowroot, powd., bgs..... lb. .13 .16
Arsenic, metal, lump, bbls., prmpt shipt lb. .80 - .90
Sulphide, yellow, bbls lb. No stocks.
Trioxide (see Acid, arsenous).
White, powd., bbls., c.l., dlvd lb. .06 - —
l.c.l. ..... lb. .06¾- .07
Asafetida, cs..... lb. .35 - .36
powd., bbls., dms ..... lb. .50 .53
Asbestine (see Talc, fibrous, N. Y.).
Asbestos fiber, 5D and 5K, bgs., c.l. (20 tons), Canadian mines ton.88.00 - —
5R, bgs., c.l. (20 tons), same basis ton.79.00 - —
6D, bgs., c.l. (30 tons), same basis ton.59.00 - —
7D, bgs., c.l. (30 tons), same basis ton.52.50 - —
7F, bgs., c.l. (30 tons), same basis ton.49.50 - —
7K, bgs., c.l. (30 tons), same basis ton.35.50 - —
7M, bgs., c.l. (30 tons), same basis ton.31.00 - —
7R, bgs., c.l. (30 tons), same basis ton.30.00 - —
7RF, bgs., c.l., same basis ton.31.00 - —
7T, bgs., c.l., same basis ton.28.50 - —
7TF, bgs., c.l., same basis ton.31.00 - —
Asphaltum, cut-back, tanks, tank wagon, refinery ..... gal. .09½- —
Emulsion, tanks, tank wagon, refinery ..... gal. .09½- .10
Gilsonite, brilliant black, selects 270°-295° F. fusing pt., bgs., f.o.b. Colo. mines ton.36.50 - —
seconds, 300°-390° F. fusing point, not uniform, bgs., Colo. mines ton.31.00 - —
jet, bgs., ton lots, gross weight, Colo. mines ton.36.50 - —
Manjak, No. 10, crude, dms., works lb. .06½- —
process form, bgs., works lb. .05¾- .12
Steam-rfd., less than 80 penetration., tanks, tankwagon, refinery ton.23.00 - —
80-300 penetration, tanks, tankwagon, refinery ..... ton.22.00 - —
Atropine, USP, bots. ..... oz. 13.50 -15.00
Sulphate, USP, bots..... oz. 10.35 -12.00

B

Bacitracin, bulk, unlabeled, topical, 2,000 units vial. .40 - —
10,000 units ..... vial. .78 - —
50,000 units ..... vial. 2.86 - —
Balm of Gilead buds, dried, bgs lb. 1.50 - 1.75
Barbasco root (see Cube root).
Barberry root bark, bgs ..... lb. .75 - .77
Barbital, USP, dms. ..... lb. 4.50 - —
Sodium, USP, dms. ..... lb. 4.75 - —
Barium carbonate, precip, bgs., 10 tons and up, works ton.72.50 -80.00
smaller lots, works ..... ton.82.50 -90.00
Chlorate, kgs., works. ..... lb. .25½- .31
Chloride, NF, cryst., dms .... lb. .17 - .18
tech., bgs., c.l., works, frt. equald. ton.90.00 - —
l.c.l., works. ..... ton.100.00 - —
Chromate, bgs., frt. equald .... lb. .31½- .32
Dioxide, dms., c.l., works .... lb. .12 - —
l.c.l., works ..... lb. .12 - —
Hydrate, crystals, bgs. ..... lb. .09 - .09¼
Hydroxide, anhyd., bbls., works lb. .19 - —
Iodide, bots. ..... lb. 5.12 - —
Monoxide (see Oxide).
Nitrate, bbls., c.l., works..... lb. .11½- —
l.c.l., works ..... lb. .13 - —
Oxide, grd., dms., c.l., works lb. .11 - —
l.c.l., works ..... lb. .11½- —
Peroxide (see Dioxide).
Stearate, ctns., c.l..... lb. .34 - —
smaller lots ..... lb. .35 - .36
Sulphate, tech. (see Barytes and Blanc fixe).
X-ray, bbls ..... lb .12½- .13
Sulphide, dms., c.l., works... ton.55.00 - —
l.c.l., works ..... ton.70.00 - —
Barium-potassium chromate, dms., c.l., frt. alld lb. .20 - —
l.c.l., works ..... lb. .21 - —
Baryte ore, approx. 94% $BaSO_4$, bulk, mines ton. 9.40 -12.50
Barytes, water-grd., paper bgs., c.l., St. Louis ton.35.05 - —
l.c.l., same basis ..... ton.36.85 - —
ex whse., N. Y. ..... ton.49.65 - —
Southern off-color, bgs., mines ton.19.00 - —
95.75%, bgs., mines..... ton.20.00 - —
Barberry bark, bgs. ..... lb. .12 - .13
Bay leaves (see Laurel leaves).
Belladonna leaf, bls..... lb. .85 - 1.10
Root, bls ..... lb. .45 - .50
Bauxite, bulk, mines..... ton. 8.50 -10.00
Bentonite, 200 mesh, bgs., works ton.11.00 - —
Benzaldehyde, NF, dms. ..... lb. .68 - .90
tech., cbys., dms. ..... lb. .45 - .55
Benzene (see Benzol).
Hexachloride, tech., 11% gamma, bgs., dms., c.l., works lb. .27½- —
l.c.l., works ..... lb. .29¾- —
dust, dry, 50%, 6% gamma, distributors, dms., c.l., dlvd. lb. .18 - —
l.c.l., dlvd. ..... lb. .19 - —
wet, 50%, 6% gamma, distributors, dms., c.l., dlvd lb. .19½- —
l.c.l., dlvd. ..... lb. .20½- —
Benzidin base, bbls..... lb. 1.02 - —
Benzocaine, cns..... lb. 3.25 - 3.35
Benzol (benzene), pure, nitration, tanks, works, Bethlehem, Pa., Dangerfield, Tex., Lackawanna, N. Y., Philadelphia, Pa., Sparrows Point, Md., St. Louis, Mo., Syracuse, N. Y., Wyandotte, Mich gal. .21 - —
Birmingham, Ala., Chicago district, Cleveland district, Johnstown, Pa., Minequa, Colo., Pittsburgh district, Terre Haute, Ind., Woodward, Ala., Youngstown, Ohio. gal. .20 - —
Benzophenone, dms. ..... lb. 1.30 - 1.70
Benzothiazyl disulfide, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .35 - —
less ton lots, same basis lb. .37 - —
Benzoyl chloride, c.l., cbys..... lb. .20 - .28
l.c.l., works ..... lb. .22½- —
Peroxide, pure, fib. ctns., works lb. .90 - 1.05

Benzyl acetate, f.f.c., dms. ..... lb. .60 - 1.00
dms. ..... lb. .60 - .70
Alcohol (see Alcohol, benzyl).
Benzoate, USP, f.f.c., cns., dms lb. .83 - 1.00
Chloride, tech., cbys., c.l., works, frt. equald lb. .19 - .21½
l.c.l., same basis..... lb. .20 - .22½
Cinnamate, cns ..... lb. 3.45 - 4.00
Formate, cns ..... lb. 1.84 - 3.50
Propionate, bots. ..... lb. 1.55 - 2.30
Salicylate, bots. ..... lb. 1.80 - 2.25
Benzylidinacetone, bots. ..... lb. 1.85 - 2.70
Benzylisoeugenol, bots ..... lb. 8.90 - 9.00
Berberine bisulphate, cns. ..... lb. No stocks
Hydrochloride, bots. ..... lb. No stocks
Sulphate, cns. ..... lb. No stocks
Berberis root, bls..... lb. .28 - .35
Betagammapicoline, dms., c.l., works. lb. .21 23½
l.c.l., works ..... lb. .21½- 24
Betanaphthol resublimed, dms., works. lb. .75 - —
tech., bbls., c.l., works..... lb. .30 - —
l.c.l., works ..... lb. .32 - —
Benzoate, fib. dms., works .... lb. 1.75 - —
Salicylate, dms. ..... lb. 5.00 - —
Betanaphthylamine, tech., bbls., works lb. .73 - .80
Betaphenylethylamine, dms., works, 1,000-lb. lots lb. 1.25 - —
smaller lots ..... lb. 1.60 - —
Betapicolin, 90%-95%, dms., c.l., works lb. 1.35 - —
98%, dms., c.l., works..... lb. 1.85 - —
Beth root, bls. ..... lb .45 - .50
Biotin, cryst. ..... gram.12.50 - —
Bismuth chloride, jars..... lb. 3.95 - —

Bismuth citrate, USP VIII, jars lb. 3.27 - —
Hydroxide, dms ..... lb. 4.18 - —
Metal, bxs., ton lots..... lb. 2.00 - —
Nitrate, cryst., dms ..... lb. 1.85 - —
Oxychloride, dms..... lb. 3.97 - —
Oxide, anhydrous, dms ..... lb. 4.60 - —
Phenolsulphonate, fib. dms ... lb 4.70 - —
Subcarbonate, USP, dms..... lb. 2.80 - —
Subgallate, NF, fib. dms..... lb. 2.75 - —
Subiodide, fib. dms. ..... lb 4.90 - —
Subnitrate, NF, dms ..... lb. 2.30 - —
Subsalicylate, USP, dms ..... lb. 3.20 - —
Bismuth-ammonium citrate, USP, powd., dms lb. 3.80 - —
Black, acetylene, bgs., c.l., works lb. .13½- —
cs., l.c.l., shipt. point..... lb. .17 - .19
Bone, bgs., bbls., l.c.l., dlvd .. lb. .14½- .22½
Carload price ½c. per lb. less. Deliveries to the Pacific Coast, ex dock or whse., 1½c. per lb. higher.
Carbon, channel, beads, bulk, c.l., works lb. .07 - —
bgs., c.l., works..... lb. .0740- —
l.c.l., dlvd. or whse,... lb. .11¼- .117
uncompressed, regular, bgs., c.l., works lb. .0832- —
bgs., ctns., l.c.l., dlvd. or whse lb. .13¾- —
furnace, fast extruding, bgs., c.l., works lb. .05½- —
ctns., l.c.l., whse ..... lb. .09½- —
high modulus, bgs., c.l., works. lb. .05 - —
ctns., l.c.l., whse..... lb. .09 - —

Antimony Salt—Bleaching Powder

Black, carbon, furnace, semi-reinforcing, bgs., c.l., works lb. .03½- —
ctns., l.c.l., whse ..... lb. .07½- —
very fine, bgs., c.l., works lb. .0740- —
l.c.l., dlvd. or whse .... lb .1125 .1170
Charcoal (see C).
Graphite (see G).
Iron oxide, synthetic, bgs., c.l., works lb. 10¾- —
l.c.l., works ..... lb. .11 - —
Lamp, bgs., c.l., works ..... lb. .07 - .30
Mineral, bgs., works ..... lb. .0160- .0670
Black ash (see Barium sulphide).
Blackberry root, bls. ..... lb .12 - .13
bark of root, bls. ..... lb .32 - .33
Black dyes (see Dyes).
Black haw, root bark, bls. ..... lb. .78 - .82
Tree bark, bls ..... lb. .28 - .30
Black Indian hemp root, bls..... lb. .45 - .50
Blanc fixe, dry, by-product, bgs., c.l., works ton.77.50 - —
l.c.l., works ..... ton.85.00 - —
direct process, bgs., c.l., works ton.85.00 - —
l.c.l., works ..... ton.90.00 - —
N. Y. whse.....ton.108.00 - —
bbls., c.l., works.....ton.90.00 - —
l.c.l., works .....ton.95.00 - —
N. Y. whse. .....ton.113.00 - —
pulp, 66⅔%, bbls., c.l., works, ton.67.00 - —
l.c.l., same basis..... ton.73.00 - —
Bleaching powder, dms., c.l., works, 100 lbs. 4.25 - —
l.c.l., works ..... 100 lbs. 4.75 - —

ACETONE, C. P.

POTASSIUM PERMANGANATE U. S. P. PELLETS

MAGNESIUM OXIDE Heavy

FORMIC ACID 90%

SODIUM BICHROMATE

DIMETHYLANILIN

SODIUM SULFATE, ANHYDROUS

PARA-AMINOPHENOL

METHANOL, Pure Synthetic

ANILIN OIL

CAFFEINE CITRATED, U. S. P.

BENZIDINE BASE

Distributors of:
RUFERT NICKEL CATALYST FLAKES*
Descriptive Literature Available
*Patented — The Rufert Chemical Company Seymour, Conn.

420 LEXINGTON AVE.
NEW YORK 17, N. Y.
MU 6-3600

GOLWYNNE
CHEMICALS CORPORATION

Blood, Dried—Calcium Cyanide

Blood, dried, 16-16½% ammo., bgs unit-ton. 8.00 - —
high-grade, unground, 16-17% ammon, bulk, Chicago, unit-ton. 8.00 - —
soluble, bgs., c.l. ..... lb. .17 - .19
l.c.l., ... lb. .18 - .25
Bloodroot, bls ..... lb. .55 - .65
Blue, alkali, dry, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis ..... lb. 1.90 - —
Toner, bbls., litho flushed, same basis lb. 1.10 - —
Celestial, bbls., same basis ..... lb. .15 - .16
Chinese, bbls., same basis ..... lb. .45 - —
Cobalt, genuine, bbls., same basis lb. 4.90 - —
imitation (see Blue, ultramarine).
Copper-phthalocyanine, full strength, bbls., same basis lb. 3.75 3.85
80%, bbls., same basis ..... lb. 3.00 3.40
Iron (see Blue, Chinese, Milori, Potash, Prussian, and Soda).
Methyl violet toner, bbls., same basis lb. 4.20 - —
Milori, bbls., same basis ..... lb. .45 - —
Peacock, fugitive, 100% color strength, same basis lb. .60 .79
Permanent toner, green shade, molybdic, bbls., same basis lb. 3.75 - —
Tungstic ..... lb. 4.00 - —
Potash, CP, bbls., same basis ....lb. .51 - —
Prussian, bbls., same basis .... lb. .45 - —
soluble, bbls., same basis .... lb. .45 - —
Soda, C.P., bronze, bbls., same basis lb. .39 - —
Blue, ultramarine, cobalt type, dry or pulp, bbls., same basis lb. .25 - .26½
jobbing type, dry, bbls., same basis lb. .14 - —
regular types, dry or pulp, bbls., same basis lb. .19 - .29
Victoria toner, molybdic, bbls. lb. 3.75 - —
Tungstic, bbls. ..... lb. 3.75 - —
Violet toner, molybdic, bbls., same basis lb. 1.24 - —
Tungstic, kgs., same basis ....lb. 2.60 - 2.70
Blue dry colors, dlvd. prices ½c. higher Ala., Fla., Ga., La. (Shreveport, 1¼c.), Miss., N. C., S. C., Tenn., Tex. (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher, Pac. Coast, Denver, Pueblo, Salt Lake City, Wichita frt. equalized with Chicago.
Blue dyes are listed under Dyes.
Blueflag, root, bls. ..... lb. .45 - .50
Bluestone (see Copper sulphate).
Blue vitriol (see Copper sulphate).
Boldo leaves, bls ..... lb. .09 - .10
Bone, raw, bulk, Chicago ..... ton.75.00 - —
junk, bulk, same basis .... ton.50.00 -52.00
Meal, raw, 4½% ammon., 50% phos., bgs., E. works..ton.65.00 - —
Chicago, works ..... ton.65.00 - —
steamed, feeding grade, 1% ammon., 60% phos., bgs., E. works..ton.70.00 - —
Chicago, works ..... ton.70.00 - —
fertilizer grade, 3% ammon., 50% phos., bgs., E. works..ton.65.00 - —
Chicago, works ..... ton.65.00 - —
Phosphate, defluorinated (see D), precipitated (see Calcium phosphate tribasic precip).
Boneset leaves, bls. ..... lb. .15 - .16
Borage flowers, bls. ..... lb. .43 - .45
Borax, tech, anhydrous, bgs., c.l., works..ton.70.50 - —
ton lots, ex whse, N. Y. or Chi..ton.115.25 - —
less ton lots, same basis, ton.120.25 - —
bbls., c.l., works ..... ton.90.50 - —
ton lots, ex whse, N. Y. or Chi..ton.135.25 - —
less ton lots, same basis, ton.140.25 - —
bulk, c.l., works ..... ton.64.00 - —
crystals, 99½%, bgs., c.l., works. ton.61.25 - —
ton lots, ex whse, N. Y. or Chi..ton.106.00 - —
less ton lots, same basis, ton.111.00 - —
bbls., c.l., works ..... ton.81.25 - —
ton lots, ex whse, N. Y. or Chi..ton.126.00 - —
less ton lots, same basis, ton.131.00 - —
bulk, c.l., works ..... ton.57.25 - —
granular, 99½%, bgs., c.l., works ton.35.25 - —
ton lots, ex whse, N. Y. or Chi..ton.80.00 - —
less ton lots, same basis, ton.85.00 - —
bbls., c.l., works ..... ton.55.25 - —
ton lots, ex whse, N. Y. or Chi..ton.100.00 - —
less ton lots, same basis, ton.105.00 - —
bulk, c.l., works ..... ton.31.25 - —
Borax, tech., powdered, 99½%, bgs., c.l., works ..... ton.40.25 - —
ton lots, ex whse, N. Y. or Chi..ton.85.00 - —
less ton lots, same basis, ton.90.00 - —
bbls., c.l., works ..... ton.60.25 - —
ton lots, ex whse, N. Y. or Chi..ton.105.00 - —
less ton lots, same basis, ton.110.00 - —
bulk, c.l., works ..... ton.36.25 - —
Borax packed in kgs. is $4@ per ton higher than borax packed in paper bgs. USP borax $15 per ton higher than tech.
Bordeaux mixture, bgs., c.l., works, frt. alld. or nearest whse. point..lb. .15 - .21
l.c.l., same basis ..... lb. .16 - .23
Bornyl thiocyanoacetate (see Isobornyl thiocyanoacetate).
Brazilwood extract (see Hypernic).
Brimstone (see Sulphur).
Bromine, purified, cs., c.l., frt. alld. E. of Rockies..lb. .21 - —
1,000 lbs., same basis ..... lb. .23 - —
single pkgs., same basis..lb. .28 - —
dms., lead-lined, c.l., dlvd..lb. .19 - —
Bromoform, USP, bots. ..... lb. 1.50 - 1.70
cbys. ..... lb. 1.42 - —
Bromstyrol, bots ..... lb. 4.85 - 6.25
Bronze powder, aluminum (see A),
Gold, litho., cans, dms., works.lb. .50 - .60
moulding, cans, dms., works.lb. .80 - 1.00
printing ink, cans, dms., works..lb. .95 - 1.10
radiator, cans, dms., works.lb. .60 - .65
Broomtop, bls. ..... lb. .25 - .28
Brown, iron, synth., bgs., l.c.l., works..lb. .12½- —
Oxide, metallic, bgs., works..lb. .03 - .03¼
Sap, crystals, works ..... lb. .12 - —
powdered ..... lb. .13 - —
Sienna, burnt, paper bags., c.l., works..lb. .03¾- .14¾
l.c.l., works ..... lb. .04 - .15
raw, paper bgs., c.l., works lb. .04 - .12½
l.c.l., works ..... lb. .04¼- .12¾
Umber, burnt, American, c.l., bbls., works..lb. .04¾- .05¾
l.c.l., bgs., works ..... lb. .05 - .06¾
Turkey type, bgs., c.l., Boston, Bethlehem, Easton, Pa., Hiwassee, Va., N.Y.lb. .05¾- .07¾
l.c.l., works ..... lb. .06 - .08
raw, American, bgs., same basis lb. .03¾- .06
Turkey type, bgs., same basis lb. .06 - .06¼
Vandyke, bbls., works ..... lb. .09¾- .12
Brucine, cns., 100 ozs ..... oz. .40 - .50
Sulphate, NF, cns., 100 ozs..... oz. .30 - .40
Bryonia root, bls. ..... lb. .30 - .35
Buchu leaves, bls. ..... lb. .85 - .90
Buckthorn bark, bls ..... lb. .20 - .22
cut and sifted, bls ..... lb. .25 - .27
Berries, bgs ..... lb. .85 - 1.00
Burdock, root, bls. ..... lb. .20 - .30
Butadiene, cyls., refy ..... lb. .1[illegible] - —
tanks, same basis ..... lb. .11½- —
Butane, indust., tanks, group 3 ..gal. .03½- —
Butyl acetate, normal, ferment, ill., ind., prod., dms., cl., works, frt. alld. E. of Miss..lb. .15½- —
l.c.l., same basis ..... lb. .16½- —
tanks, same basis ..... lb. .14 - —
tankwagons, same basis.lb. .14½- —
other production, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis ..... lb. .16½- —
tanks, same basis ..... lb. .14 - —
synthetic, normal, dms., c.l., same basis..lb. .15½- —
l.c.l., same basis ..... lb. .16½- —
tanks, same basis ..... lb. .14 - —
secondary dms., c.l., dlvd. E. of Miss..lb. .13 - —
l.c.l., same basis ..... lb. .13½- —
tanks, same basis ..... lb. .11½- —
Normal butyl acetate W. of Miss., ½c. per lb. higher.
Alcohol (see Alcohol, butyl)
Aldehyde, dms., c.l., works ....lb. .20½- —
l.c.l., works ..... lb. .21½- —
tanks, works ..... lb. .19½- —
Ether (see Ether, butyl).
Isobutyl methacrylate, P-5, 50/50, cns., works lb. .60 - —
Lactate, dms., c.l., frt. alld. E. of Rockies..lb. .42½- —
l.c.l., same basis ..... lb. .43½- —
tanks, same basis ..... lb. .41 - —
Laurate, dms., works ..... lb. .42 - —
Methacrylate, M-4, dms., works lb. .60 - —
cns., works ..... lb. .63 - .67
P-4, cns., works ..... lb. .65 - —
Myristate, dms., works ..... lb. No prices.
Oleate, refd., dms., l.c.l., works lb. .52 - —
Phenylacetate, dms ..... lb. 2.00 - 2.25
Phthalate (see Dibutyl phthalate).
Propionate, dms., dlvd ..... lb. No stocks
tanks, dlvd. ..... lb. No stocks
Stearate, dms., c.l., frt. alld. E. of Rockies..lb. .32 - —
l.c.l., same basis ..... lb. .33 - —
Butyric ether (see Ethyl butyrate).

C

Cacao butter (see Cocoa butter).
Cadmium bromide, jars ..... lb. 2.49 - 2.80
Iodide, jars ..... lb. 5.10 - —
Lithopone (see Yellow),
Metal, ingots or sticks, cs., dlvd.lb. 2.00 - —
patent shapes, cs., dlvd ..... lb. 2.15 - —
Selenide (see Red).
Sulphide (see Yellow),
Caffeine, USP, cryst., dms., 100 lbs or more..lb. 4.75 - 5.00
anhydrous, dms., 100 lbs. or more..lb. 5.00 - —
Citrated, USP, dms., 100 lbs. or more..lb. 3.00 - —
Hydrobromide, bots. ..... lb. 6.50 - —
Calabar beans, bgs., futures.....lb. .65 - .66
Calamine, USP, dms ..... lb. .27 - .29
Calamus root, dom., bgs ..... lb. .27 - .30
imported, bleached, bls ..... lb. .70 Nom.
peeled, bls ..... lb. .30 - .31
Calciferol, cryst., vials, 10,000 or more standard units (1 standard unit=1,000,000 USP units), works..gram. 4.00 - —
1,000 to 10,000 s.u., works..gram. 4.40 - —
less than 1,000 s.u.. works..gram. 4.80 - —
in edible oil, dms., 10,000 or more. .10 - —
1,000 to 10,000 s.u., works...unit. .11 - —
less than 1,000 s.u. works unit. .12 - —
Calcium acetate bgs., dlvd ..100 lbs. 3.00 - 4.00
Arsenate, dealers, dms., c.l., whse., works, frt. alld..lb. .10½- —
l.c.l., same basis ..... lb. .11½- —
Bromide, NF, jars ..... lb. .75 - .85
Carbide, standard generator size, dms., c.l., dlvd ton.121.00 - —
Carbonate (see Chalk and Whiting).
Chloride, cryst., purified, bbls., jars. lb. .28 - .30
flake, 77-80%, paper bgs., c.l., works, frt. equald..ton.22.00 - —
l.c.l., same basis ..... ton.37.00 -67.00
liquor, works, basis 40%, tankcars..ton. 9.00 - —
solid, 73-75%, dms., c.l., works, same basis ton.20.00 - —
l.c.l., works, same basis ton.30.00 -59.00
USP, gran., bbls ..... lb. .30 - —
Chromate, bgs., frt. equald .... lb. .29½- .30
Cyanide, dms., dlvd. E. of Rockies. lb. .30 - .40

NOPCO offers you two kinds of

VITAMIN A for MARGARINE FORTIFICATION

VITAMIN A ACETATE

"All the stability of the ester combined with all the blandness of the alcohol". A remarkably bland food product that will live up to your unitage claims over long periods of time.

VITAMIN A ALCOHOL

An excellent product for use where shelf life is not over 30-45 days. Fulfilling the most exacting requirements for blandness with adequate stability over short periods.

Packed either in bulk or in batch size containers.

Potencies to suit your requirements.

MAKERS OF

Vitamin A Concentrate
Vitamin D Concentrate
Vitamin A and D Concentrates
Vitab* Rice Bran Concentrate
Calcium Pantothenate Dextrorotatory-Nopco
dl-Calcium Pantothenate-Nopco
Beta-Alanine
Cholesterol

*Trademark of Nopco Chemical Company

Copyright 1949 Nopco Chemical Company

NOPCO CHEMICAL COMPANY
Formerly National Oil Products Company
BOSTON • CEDARTOWN, GA. • HARRISON, N. J. • CHICAGO • RICHMOND, CAL.

Calcium gluconate, AA, bbls., dms. lb. .65 - .72
USP, bbls., dms. lb. .58 - .65
Glycerophosphate, NF, fib. dms. lb. 1.65 - 1.80
Hydride, dms., works lb. .90 —
Hypochlorite, 100 lb. dms., dlvd. E. of Rockies dm. 24.00 -28.50
cns., cased (45 lbs.) same basis. cs. 19.75 -21.50
Hypophosphite, 50-lb. lots, dms lb. .80 - .83
Iodide, jars lb. 4.12 - —
Lactate, USP, dms lb. .37 - .44
Mandelate, USP, dms., works lb. 1.85 - 2.10
Naphthenate, liq., 4% Ca, dms., frt. alld. lb. .23¾- .24¼
Pantothenate, dextro, jars gram .07½- —
Phenolsulphonate, dms. lb. .59 - .60
Phosphate, dibasic, USP, bgs., c.l., 100 lbs. 6.73 - —
l.c.l. 100 lbs. 7.10 - 7.45
feed grade, bgs., 10 tons, works. ton. 105.00 - —
one ton or over, works ton. 115.00 - —
less than one ton, works ton. 125.00 - —
monobasic, bgs., 10,000 lbs., works, frt. equald lb. .05¾- —
less, same basis lb. .06¼- —
tribasic, bgs., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs. 6.95 - 7.30
Phytate, bgs., works lb. .22 - —
Resinate, precip., dms., frt. alld. works lb. .24 - —
Silicate, hydrated, bgs., c.l., works lb. .05½- —
l.c.l., works lb. .06 - —
Stearate, precip., cns., c.l., works. lb. .32 - —
l.c.l., works lb. .33 - .34
Sulphate (see Gypsum).
Sulphide, 76%, bgs., c.l., works ton. 45.00 - —
70%, bgs., c.l., works ton. 50.00 - —
luminous tins, works lb. 1.25 - —
Calcium-strontium sulphide, phosphorescent, dms., works lb. 1.06 - 1.50
fine particle size, dms., works lb. 1.50 - 1.75
Calendula flowers, bls lb. .50 - .85
Calomel, USP, cryst., dms lb. 1.82 - 1.83
fine powd., dms lb 1.97 1.98
Camphene, chlorinated, 67-69% (see Toxaphene).
Camphor, NF, monobromated, dms., kgs. lb. 3.10 - 3.20
Camphor, natural lb No stocks.
synth., tech., bbls., 2,000 lbs. or more, works lb. .42 - —
10 bbls. (1,500 lbs.) lb. .44½- —
smaller lots lb. .43 - .55
USP, gran., powd., bbls., 2,000-lb. lots lb. .58 - —
1,000-lb. lots lb. .59 - —
smaller lots lb. .60 - —
tablets, tins, 2,000-lb. lots lb. .78 - —
1,000-lb. lots lb. .79 - —
smaller lots lb. .80 - —
Canada balsam (see Fir balsam).
Cantharides, Chinese, cs lb. 1.10 - 1.30
powd., bxs lb. 1.25 - 1.50
Russian, bgs lb. 5.00 - 5.25
powd., bxs lb. 5.75 - 6.00
Capsicum (see Pepper, red).
Oleoresin, NF VIII, cns lb. 6.50 - 6.75
Caramel coloring, NF, bbls gal. 1.05 - —
Caraway seed, Danish, bgs lb. .16¾- .17¼
Dutch, bgs lb. .17½- .18
Carbazole, 97%, steel dms., ton lots, works lb. 1.73 - —
fib. dms., same basis lb. 1.70 - —
Carbinol butyl, normal (see Alcohol, amyl, refined)
secondary, dms., l.c.l., works lb. .70 - —
Methylisobutyl, dms., c.l., frt. alld. E. lb. .14½- —
l.c.l., same basis lb. .15 - —
tanks, same basis lb. .13 - —
Carbon bisulphide, 50-gal. dms., c.l., works, frt. alld. to competitive points lb. .06¼- —
l.c.l., same basis lb. .07¼- —
5-gal. dms., same basis lb. .09½- —
l.c.l., same basis lb. .08¾- —
Dioxide, cyls lb. .06 - .08
Tetrachloride, CP, dms., works lb. .09 - .11½
tech., dms., E. of Rockies, c.l., frt. alld. lb. .08 - —
l.c.l., same basis lb. .08½- —
W. of Rockies, c.l., f.o.b. stock points lb. .08¼- —
l.c.l., frt. alld. lb. .09 - —
NF, cbys lb. .17 - .19
Carboxymethylcellulose-Sodium—See CMC.
Carbromal, NF, dms., ton lots, works lb. 4.23 - —
100-lb. lots, works lb. 4.75 - —
Cardamom fruit, bleached, bold, cs., lb. 3.25 Nom.
medium, cs lb. 3.00 - 3.10
Courges, cs., futures lb. 2.20 - 2.25
decorticated, Guatemalan, cs., futures lb. 2.40 - 2.45
Indian, cs lb. No stocks.
green, Alleppey, bgs., futures lb. 2.20 - 2.25
Seed (See Cardamom fruit, decorticated).
Carmine, No. 40, NF, bulk, 100 lbs. or more lb. 5.50 - —
smaller lots lb. 5.65 - 6.15
Carotene, crystals, research grade, ampuls, pure alpha or beta, 10 mg. 5.00 - —
90% beta-10% alpha, ampuls 100 mg. 2.60 - —
bulk grain quantities gm. 5.00 - —
technical, 1,350,000 A units per gram gm. .67½- —
tins, works gm. .62 - —
dry powder, 3,330 A units per gram lb. .70 - —
emulsion (in milk), 500,000 A units per 16-oz. cn. cn. .85 - —
in vegetable oil, 250,000 A units per gram lb. 37.24 - —
50,000 A units per gram lb. 7.87 - —
26,000 A units per gram, tins, works milli. units. .32 - —
dms., works milli. units. .30 - —
3,330 A units per gram lb. .85 - —
microcrystalline, in oil, 400,000 A units per gram, tins, works milli. units. .50 - —
Carvol, bots lb. 10.00 -16.00
Cascara sagrada bark, bulk lb. .32 - .35
Case-hardening mixture, 30% gran., dms., l.c.l., works lb. .10½- —
Casein, dom., acid-precip., bgs., 10,000 lbs. or more ship't point lb. .20 Nom.
rennet-precip., 10,000 lbs. or more, same basis lb. .23 Nom.
imported, acid-precip., ground, bgs. or more lb. .19¼ Nom.
Cashew nut liq., treated, dms., c.l., f.o.b. Newark, N. J. lb. .21 - —
ton lots, same basis lb. .22¼- —
dm. lots, same basis lb. .24¼- —
Cassia bark, Batavia, longstick, bls. lb. .29 - .30
broken, bls lb. .27 - .27½
short stick, bls lb. .24 - .25
China, Canton, rolls, select, cs lb. .11½- .12
broken, bls lb. .10 - .10½
Honan, rolls, scraped, bls lb. .15½- .16
broken, bls lb. .14½- .15
unscraped, bls lb. .14½- .15
broken, bls lb. .14 - .14½
Saigon, broken, bls lb. .25 - .26
medium, bls lb. .33 - .34
thin, bls lb. .40 - .41
Yunnan, rolls, scraped, bls lb. .15 - .15½
broken, bls lb. .14½- .15
unscraped, bls lb. .14 - .14½
broken, bls lb. .14 - .14½
Buds, China, bgs lb. .23 - .24
Cassia fistula, bskts lb. .30 - .38
Castor beans, bgs., Brazilian ports long ton. 103.00 Nom.
Oil (see Oil, castor).
Pomace, bgs., c.l., works ton. 24.00 Nom.
Castoreum, nat., cns lb. 12.00 -45.00
synthetic, cns lb. 22.00 - —
Catechol, CP, cryst., fib. dms., works. lb. 2.00 - —
resublimed, dms., works lb. 4.00 - —
Catnip, bls lb. .55 - .60
Celery seed, French, bgs lb. .25 - .26
Indian, bgs lb. .23 - .24
futures, bgs lb. .24 - .25
Celluloid scrap (see Pyroxylin scrap).
Cellulose acetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .36 - .40
granules, ctns., same basis lb. .42 - —
molding composition, plain colors, translucent, metallic pearls, special black, dms., c.l., frt. alld. lb. .40 - —
l.c.l., same basis lb. .45 - .51
regular black, dms., l.c.l., same basis lb. .31 - .39
variegations, dms., l.c.l., same basis lb. .50 - .59
molding and extrusion transparents, dms., c.l., same basis lb. .47 - —
l.c.l., same basis lb. .49 - .54
extrusion compounds, translucent metallic pearls, special black, dms., c.l., same basis lb. .42 - —
l.c.l., same basis lb. .44 - .49
Butyrate, flake, 17% butyryl content, ctns., 500 lbs. or over, works lb. .52 - —
less than 500 lbs., works lb. .53 - —
Cellulose butyrate, flake, 17.5% butyryl content, ctns., 500 lbs. and over, works lb. .49 - —
less than 500 lbs., works, lb. .50 - —
26.5% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
37% butyryl content, ctns., 500 lbs. and over, works lb. .53 - —
less than 500 lbs., works lb. .54 - —
48% butyryl content, ctns., 500 lbs. and over, works lb. .57 - —
less than 500 lbs., works lb. .58 - —
molding composition, plain colors, pearls, transparents, special black, dms., l.c.l., frt. alld. lb. .56 - .61
regular black, dms., l.c.l., same basis lb. .44 - .48
variegations, dms., l.c.l., same basis lb. .61 - .66
Triacetate, flake, ctns., works, frt. alld. on 100 lbs. or more lb. .40 - —
Cerium hydrate, dms., works lb. 1.25 - —
Oxalate, NF, bbls., bgs., works lb. .70 - .72
Oxide, optical grade, bgs., under 100 lbs., works lb. 2.25 - —
kgs., 100 lb. lots, works lb. 1.75 - —
Chalk, precip., cosmetic, dentifrice, drugs, bgs., c.l., works lb. .02⅞- .03⅛
l.c.l., ex whse lb. .04 - —
paint, bgs., c.l., works ton. 40.00 - —
papermakers, bgs., c.l., works. ton. 32.50 -40.00
rubber makers, bgs., c.l., works. ton. 30.00 - —
Chamomile flowers, Hungarian, cs lb. .43 - .48
Roman, bls lb. 1.00 - 1.30
Charcoal, activated, USP, fib. dms., c.l., works lb. .25 - .32
5-ton lots, works lb. .26½- .32½
smaller lots, works lb. .27 - .50
Bone, NF, bbls lb. .23 - —
Hardwood, briquets, bulk, c.l., works ton. 49.80 - —
bgs., c.l., works ton. 51.80 - —
granular, bgs., incl., c.l., works.
granular, bgs., incl., c.l., works. ton. 46.80 -59.00
lump, bulk, c.l., works ton. 38.80 -43.50
bgs., extra, returnable, c.l., works ton. 41.80 -45.50
Pinewood, gran., powd., ogs., c.l., works, South ton. 40.00 - —
l.c.l., works ton. 50.00 -60.00
lump, bgs., c.l., works, South ton. 35.00 - —
Willow, powd., bbls lb. .06 - .07
Chestnut extract, 25% tannin, bbls., c.l., works lb. .046- —
l.c.l., works lb. .049- —
tanks, works lb. .037- .039
powd., 65% tannin, bgs., extra, c.l., works lb. .110- —
l.c.l., works lb. .117- .118
China clay, dom., dry-grd., air-float, 99.75% 300 mesh, bgs., c.l., works ton. 12.50 -13.00
l.c.l., works ton. 13.50 -14.00
bulk, c.l., works ton. 9.50 -10.00
200 mesh, bgs., c.l., works ton. 10.00 -12.00
l.c.l., works ton. 11.00 -16.00
wet-grd., silk-bolt, 99½%, 325 mesh, bulk, c.l., works ton. 13.00 - —
paper bgs., c.l., works. ton. 15.00 —
imported, white lump, bulk, c.l., ex dock Balto., Boston, Norfolk, Phila net ton. 16.00 -33.00
powd., bgs., c.l., ex dock ton. 45.00 - —
l.c.l., ex whse ton. 50.00 -55.00

From SHELL CHEMICAL . . .

DIACETONE ALCOHOL

a high-boiling solvent for cellulose ester lacquers

Diacetone Alcohol gives exceptional performance as a high-boiling solvent for cellulose acetate and cellulose acetate butyrate . . . is excellent for nitrocellulose. The presence of Diacetone Alcohol in *your* lacquer formulations will result in an improved product with these advantages:

Better film flow. Diacetone Alcohol is widely employed to control the evaporation rate of lacquers. In this usage a small quantity in combination with active lacquer solvents imparts improved flow properties to the final product.

Greater blush resistance. Diacetone Alcohol not only improves film flow but it also eliminates blushing during the application and drying of the lacquer film. A superior film appearance is thus obtained.

Mild Odor. Diacetone Alcohol is particularly suitable for use in interior brushing lacquers, because of its faint but pleasant odor. This property, together with its slow evaporation rate, makes Diacetone Alcohol excellent for dipping and roller-coating applications.

Properties

Molecular Weight	116.16
Specific Gravity 20/4°C	0.9382
Boiling Point (760 mm)	166°C (approx.)
Freezing Point	—44°C
Refractive Index	1.4232
Vapor Pressure 20°C	0.84 mm Hg

Lacquer Solvent Properties

Dilution Ratio	
Toluene	3.0
Aromatic Naphtha	1.0
Aliphatic Naphtha	0.5
Viscosity 25°C (8% soln. ½ sec. nitrocellulose)	153 cps.
Blush Resistance (% relative humidity at 80°F)	87
Rate of Evaporation (n-butyl acetate = 1.0)	0.2

Other Applications. An effective solvent for penta-chlorophenol, the widely used wood fungicide . . . excellent in hydraulic fluids . . . an important ingredient of industrial dyes and stains.

SHELL CHEMICAL CORPORATION

Eastern Div.: 500 Fifth Ave., New York 18 • Western Div.: 100 Bush St., San Francisco 6

Los Angeles • Houston • Chicago • St. Louis • Cleveland • Boston • Detroit • Newark

Chloral—Deertongue Leaves

Chloral, tech., dms., c.l., works lb. .41 - —
l.c.l., works lb. .42 - —
tanks, works lb. .40 - —
Hydrate, USP, jars lb. 1.05 - 1.15
Chloramine T, NF, bbls., works lb. .75 - —
Chlordane, agricultural, dms., l.c.l., stock points lb. 1.05 - 2.00
refined, dms., stock points lb. 1.20 - 2.15
Chlorinated paraffin, dms., works lb. .12¼- .13½
Rubber, standard, ctns., c.l., works lb. .42 - —
l.c.l., works lb. .43 - —
Chlorine, liquid, cyls., c.l., works lb. .07 - .12
l.c.l., stock points lb. .09 - .19
tanks, single units, works, frt. equald 100 lbs. 2.40 - —
multiple units, 3 cars, works, frt. equald 100 lbs. 2.70 - —
2 cars, same basis 100 lbs. 3.30 - —
1 car, same basis 100 lbs. 3.90 - —
Chloroform, tech., dms lb. .20 - .23
USP, dms. lb. .30 - .33
Chloro(4)-2-Toluidine, cbls. lb. 1.38 - —
Chlorophyll, oil soluble, water soluble, cosmetic and pharmaceutical, bots lb. 4.00 - 4.50
Chloropicrin, com'l, bots lb. 1.40 - —
cyls., 180-lbs., frt. alld lb. .91 - —
100-lbs., same basis lb. .93 - —
25-lbs., same basis lb. 1.18 - —
Cholesterol, USP, fib. dms., 100-lb. lots lb. 8.50 - —
5-lb. pkg. lb. 9.00 - —
1-lb. pkg. lb. 9.50 - —
Choline chloride, fib. dms., works lb. 3.00 - 3.10
feed grade, fib. dms., works lb. 2.20 - —
Dihydrogen citrate, fib. dms., works, lb. 3.00 3.10
Chromium acetate, powd., 72% Cr., bbls., works lb. No stocks
solut., 7%, bbls., cs lb. .0955- —
8½%, bbls., cs. lb. No stocks
Chromium fluoride, bbls., works lb. .24 - .27
Green (see Green, chrome).
Oxide (see Green, chromium oxide).
Oleate, bbls. lb. .54 - —
Trioxide (see Acid, chromic).
Yellow (see Yellow, chrome).
Chrysarobin, USP, bots. lb. 7.65 - 9.24
Cinchona bark, N.F., red, quill, 20-inch, cs. lb. 1.26 Nom.
broken, bgs lb. .45 - .50
yellow, broken, bgs. lb. .35 - .40
Cinchonidine, small cryst., cns., 100 ozs oz. .95 - —
Sulphate, cns., 100 oz. oz. .55 - —
Cinchonine, large cryst., cns., 100 ozs oz. .69 - —
small cryst., cns., 100 ozs oz. .65 - —
Sulphate, N.F., cns., 100 ozs oz. .42 - —
Cinchophen, NF, heavy, dms., works lb. 4.70 - 5.05
Standard, dms., works lb. 4.50 - 4.85
Cinchophen-sodium, standard, dms., works lb. 5.50 - 5.85
Cinnamic alcohol (see Alcohol, cinnamic).
Aldehyde, cbys., cns., dms lb. .83 - .90
Cinnamon, Ceylon, No. 2, bls lb. .20 - .20½
Citral, bots., cns lb. 3.60 - 5.00
Citronellal, bots., dms lb. 2.50 - 7.75
Citronellol, bots., dms lb. 3.20 - 4.75
Civet, bots oz. 5.50 -15.00
Clove, Madagascar, bls lb. .17½- .18
futures, bls. lb. .19 - .19½
Zanzibar, bls. lb. .25 - .25½
futures lb. .24 - .24½
Clover tops, red, dom., bgs. lb. .60 - .70
imported, bgs. lb. No stocks
CMC, purified, high vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .63 - —
smaller lots, same basis lb. .65 - .75
CMC, purified, low and medium vis., ctns., 20,000 lbs. or over, works, frt. alld lb. .60 - —
smaller lots, same basis lb. .62 - .72
tech., low vis., dms., c.l., works lb. .30 - —
l.c.l., dms., works lb. .32 - —
Coaltar, coal-gas, water-gas, crude, resale, dms., c.l., ex-whse, gal. .24½- —
l.c.l., ex-whse gal. .26 - —
tanks, ex-whse. gal. .14½- —
refd., resale, bbls., c.l., ex-whse. gal. .25½- —
l.c.l., ex-whse. gal. .27 - —
tanks, ex-whse gal .15½- —
Cobalt acetate, bbls., dlvd lb. .93½- —
Carbonate, powd., bgs., works lb. 1.65 - —
feed grade, 49½% Co, kgs lb. 1.65 - —
Chloride, kgs., works lb. .91¼- —
feed grade, 24.5% Co, kgs lb. .91¼- —
Hydrate, bbls lb. 2.13 - —
feed grade, 62% Co, kgs lb. 2.13 - —
Linoleate, paste, 6% Co, dms lb. .57 - —
solid, 8½% Co, dms lb. .66 - —
8% Co, dms lb. .66 - —
Naphthenate, liq., 6% Co, dms lb. .37¼- .37¾
Nitrate, feed grade, 20.4% Co, bbls. lb. .78¾- —
Oxide, black, kgs lb. 1.38 - —
Phosphate, feed grade, 34% Co, kgs lb. 1.31¼- —
Resinate, fused, 3% Co, dms lb. .22¾- —
Sulphate, bgs. lb. .68¼- —
feed grade, 21% Co, kgs lb. 1.05 - —
Cobalt salts, prices are on dlvd., basis.
Cobalt-ammonium sulphate, 14% Co, kgs lb. .75 - —
Cocaine, USP, cns., 100-oz oz. 15.00 - —
Hydrochloride, cns., 100-oz. lots oz. 11.75 - —
Cochineal, gray, bgs lb. .67 - .68
silver, Teneriffe, bgs lb. .69 - .70
Cocillana bark, bgs lb. .18 - .20
Cocoa butter, bgs lb. .44 - .45
Codeine, NF, cns., 100 ozs oz. 13.25 - —
Hydrochloride, cns., 100 ozs oz. 11.85 - —
Phosphate, USP, cns., 100 ozs oz. 10.25 - —
Sulphate, USP, cns., 100 ozs oz. 10.75 - —
Codliver oil (see Oil, codliver).
Cohosh, black, root, bls. lb. .24 - .26
Blue, root, bls lb. .17 - .19
Colchicine, USP, bots., cns oz. 145.00 - 160.00
Colchicum seed, ogs lb. 2.75 - 3.00
Collodion, USP, dms lb. .24 - .29
Flexible, USP, dms lb. .25½- .30½
Colocynth, pulp, bls lb. .35 - .40
Colombo root, bls lb. .18 - .23
Coltsfoot leaves, bgs lb. .35 - .40
Condurango bark, bgs lb. 20 - .21
Copaiba balsam, cns., dms lb. .65 - .69
Copper acetate, cupric, bbls., works lb. .28 - —
smaller containers, works lb. .29 - .30
Carbonate, 55%, bbls lb. .218 - .2525
Chloride, anhyd., bbls lb. .27½- —
crystals, bbls. lb. .18¾- —
Citrate, USP, 5-lb bots lb. 2.40 - —
Cyanide, tech., bbls lb. .43 - —
Gluconate, dms., cns lb. 3.00 - 3.20
Hydrate, dms., dlvd. E. Miss. lb. .27½- .28
Metal, electrolytic lb. .18½- .23½
Naphthenate, liquid, 8% Cu, dms., frt. alld lb. .22¾- .23¼
Nitrate, tech., cryst., bbls., works, lb. .25 - .28
Oleate, liquid, 8.5% Cu, bbls lb. .33 - —
solid, 10% Cu, bbls lb. .45¾- —
12.5% Cu, bbls lb. .44½- —
Oxide, black, bbls., works lb. .28 - .28¾
red, com'l, bbls., works lb. .30 - .32¼
Oxychloride-sulphate, bgs., frt. alld lb. .24¼- .27¼
Resinate, precip., dms., frt. alld lb. .25 - —
Stearate, bgs., works lb. .39½- —
Sulphate, cryst., 99%, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l. 100 lbs. 7.25 - 8.00
CP, cryst., gran., dms., works, lb. .12¾- —
monohydrated, 35%, dms., c.l., dlvd 100 lbs. 11.90 - —
tribasic, dealers, bgs., c.l., works lb. .1815- —
l.c.l., works lb. .2050- —
USP, gran., cryst., dms lb. .10 - .26
Copperas, cryst., gran., bgs., c.l., works ton. 17.00 - —
l.c.l., works 100 lbs. 1.55 - 2.00
bbls., c.l., works ton. 20.00 - —
bulk, c.l., works ton. 14.00 - —
Copra, c.i.f., Pacific ports ton. 185.00 - —
Atlantic or Gulf ports ton. 190.00 - —
Coriander seed, Argentine, bgs., futures lb. .05½- .06
Italian, bgs lb. .05½ Nom.
Moroccan, bgs lb. .05½- .06
Corn sugar, tanners, chipped, paper bgs., c.l., 60,000 lbs. min. 100 lbs. 5.48 - —
bbls., c.l., same basis 100 lbs. 5.53 - —
Syrup, 42°, bbls., c.l 100 lbs. 5.85 - —
l.c.l. 100 lbs. 5.95 - —
Cornsilk, bls lb. .15 - .18
Corrosive sublimate, NF, cryst., dms., 50 lbs. or more lb. 1.68 - —
gran., powd., dms., 50 lbs. or more lb. 1.53 - —
Cottonroot bark, bls. lb. .33 - .35
Cottonseed hull ash, 32-36% potash, bgs., dlvd., unit-ton. 1.75 - —
Meal, 41% protein, sacked, c.l., mills, S. E. ton. 56.00 59.00
Coumarin, cns., 25 lbs. lb. 3.00 - 3.10
smaller lots lb. 3.05 - 3.15
Cramp bark, NF, bls lb. .30 Nom.
Cranesbill root, bls lb. .28 - .30
Cream of tartar, dom., USP, gran. or powd., bbls., 5,000 lbs. one ship lb. .29½- —
smaller lots lb. .30 - .31
imported, kgs lb. .24 - .26
Creosote, beechwood, bots., cbys lb. 1.15 - 1.20
Coaltar, crude, tanks, works gal. .16 - .19½
refined, dms., c.l., works gal. .38½- —
l.c.l., same basis gal. .39 - —
tanks, same basis gal. .25 - —
solution, 80%, tanks, works gal. .20 - —
Hardwood, NF, bots., cbys lb. .85 - —
Pinewood, dms gal. .31 - .32
Creosote carbonate, NF, bots., cbys. lb. 2.35 - 2.40
Cresol, tech., dms., c.l., works, frt. equald lb. .16½- .17 1.20
l.c.l., same basis lb. .17 - .17 7.20
tanks, same basis lb. .15¾- —
USP, dms., c.l., same basis lb. .16¾- .17 3/10
l.c.l., same basis lb. .17¼- .17⅝
tanks, same basis lb. .16 - —
Crotonaldehyde, 91-93%, dms., c.l., works lb. .16½- .20
l.c.l., works lb. .17 - .20
Cryolite, nat., dealers, bgs., c.l., works 100 lbs. 10.00 - —
bbls., l.c.l., works 100 lbs. 10.75 -11.00
Cube root, powd., 5% rotenone, bgs., ton lots, works lb. .30 - —
extract liquid 1% rotenone, dms., works gal. 1.50 - —
Cubeb berries, XX NF bgs lb. .40 - .45
powd., cs. lb. .50 - .55
Culvers root, bbls lb. .55 - .65
Cumene, dms., c.l. lb. .08 - —
l.c.l. lb. .09 - —
tanks gal. .53 - .56
Cumin, seed, Persian, bgs lb. .23¼- .23¾
futures, bgs. lb. .21½- .22
Cutch, extract, 55% tannin, bgs., ex dock lb. .08½- —
Cyanamide, fertilizer mixing grades, 20.6% N, gran., bulk, Niagara Falls, Ont., contracts, bulk, unit-ton. 2.85 - —
pulv., 21% N., bgs., same basis, unit-ton. 2.75 - —
Cyclohexane, tech., dms., c.l., works, lb. .09½- .12¼
l.c.l., works lb. .10 - .13
tanks, works lb. .08 - .11½
Cyclohexanol, tech., dms., c.l., works, lb. .21½- —
l.c.l., works lb. .22 - —
tanks, works lb. .20 - —
Cyclohexanone, tech., dms., c.l., works lb. .26½- .30
l.c.l., works lb. .27 - .31
tanks, works lb. .25 - .29
Cyclohexylamine, dms., works lb. .34 - —
Cyclopropane, USP, 2 lb. cyls, works, cyl. 40.00 - —
6 oz. cyls., works cyl. 10.50 - —
Hospitals, cyls., 40 gal. lots gal. .32 - —
100-gal. lots gal. .31 - —
200-gal. lots gal. .30 - —

D

2, 4-D, fib., dms., c.l., works, frt., equald lb. .75 - —
l.c.l., same basis lb. .83 - .90
Damiana leaves, bls lb. .45 - .50
Dandelion root, bls lb. .40 - .45
DDD, tech., fine grd., fib. dms., c.l., works lb. .31 - —
l.c.l., works lb. .31½- —
lump, fib. dms., c.l., works lb. .49 - —
l.c.l., works lb. .49½- —
DDT, fiber dms., c.l., works lb. .32 - —
smaller lots, works lb. .34 - .34
Decanol, normal, tech., dms., dlvd lb. .35 - —
Deertongue leaves, bls lb. .35 - .45

MONTROSE MONTROSE MONTROSE
TROSE MONTROSE MONTROSE MONT
MONTROSE MONTROSE MONTROSE
DDT Government Specifications
2, 4-D Acid, Salt and Isopropyl Ester
TRICRESYL PHOSPHATE
ERGOSTEROL
(Non Irradiated)
MONTROSE CHEMICAL COMPANY
LISTER AVENUE, NEWARK, NEW JERSEY
SELLING AGENTS R. W. GREEFF & CO., INC. 10 ROCKEFELLER PLAZA, NEW YORK, N.Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

rapid delivery for soft elastic capsules

rapid delivery for soft elastic capsules... Strong Cobb capsulating machines are now turning out millions of fine soft elastic capsules.

Three and 4 minim round capsules and 3, 5 and 7½ minim ovals are literally rolling from our new machines.

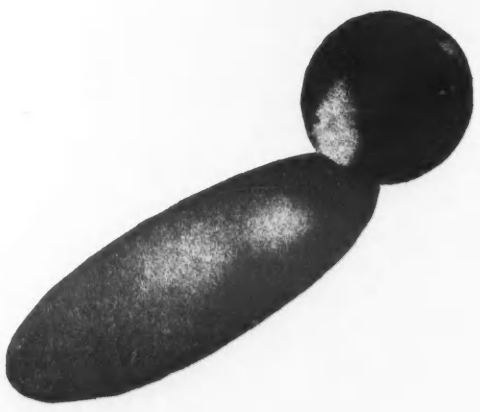
Piston-type fillers measure accurately the individual dosage. POSITIVE FILL is assured for each capsule. Clear and opaque capsules are being made in many colors.

The CAPSULE DIVISION operates under the same rigid laboratory and plant control as all divisions in our organization. Our Research Laboratories are running continuous studies on the improvement of formulae and capsulating methods.

If you are considering immediate or future capsule manufacture—write for samples of our fine products.

Strong Cobb & Company, Inc.

2654 Lisbon Road, Cleveland 4, Ohio



Defluorinated Phosphate—Dyes, Coaltar, Certified 4

Defluorinated phosphate, 65% b.p.l., paper bgs., works ton 44.15 -55.75
Rock, paper bgs., works ton 34.25 - —
Degras, common, bbls lb. .10½- .13
Neutral, less 2% ffa., bbls lb. .21 - .22
over 2% ffa., bbls lb. .20 - .21
Derris root, 5% rotenone, powd lb. .33 Nom.
Dextrin, corn, British gum, paper bgs., c.l 100 lbs. 6.97 - —
Chicago 100 lbs. 6.35 - —
l.c.l. 100 lbs. 7 12 - —
Canary, paper bgs., c.l 100 lbs. 6.71 - —
Chicago 100 lbs. 6.09 - —
l.c.l. 100 lbs. 6.86 - —
dark, paper bgs., c.l 100 lbs. 6.91 - —
Chicago 100 lbs. 6.19 - —
l.c.l. 100 lbs. 6.96 - —
white paper bgs., c.l 100 lbs. 6.56 - —
Chicago 100 lbs. 5.94 - —
l.c.l. 100 lbs. 6.71 - —
Corn dextrin in cotton bgs., 17c. higher.
Potato, bgs lb. .10½- .10¾
Dextrose, USP, dms lb. .17¾- —
Diacetone (see Alcohol, diacetone).
Diacetyl, flavor grade, bots lb. 5.05 5 55
laboratory grade, bots 100 grams. 4.50 - —
tech., bots., works lb. 3.00 - —
Diamyl ether (see Ether, amyl).
Phthalate, dms., tanks lb. No prices.
Diamylphenols, mixed, dms., c.l., works lb. .31 - —
l.c.l., works lb. .32 - —
tanks, works lb. .30 - —
Dianisidin, dms lb. 1.65 - —
Diatomaceous earth, dom., bgs., c.l., Atlantic coast ton. 50.00 -52.00
California ton. 38.00 -40.00
l.c.l., ex whse ton. 80.00 —
Diatomaceous earth, dom., purified, bgs., c.l., Atl. coast ton. 62.00 - —
California ton. 50.00 - —
l.c.l., ex whse ton. 90.00 - —
Imported, Algerian, bgs., c.l., Atlantic coast ton. No prices.
Mexican, white, bgs., c.l., Atlantic coast lb. .03 - —
l.c.l., Atlantic coast lb. .06 - —
Dibenzyl sebacate, dms, c.l., works lb. .69 - —
l.c.l., works lb. .69½- —
tanks, works lb. .67½- —
Dibutoxyethyl sebacate, dms., c.l., works lb. .57 - —
l.c.l., works lb. .57½- —
tanks, works lb. .53½- —
Dibutyl phthalate, dms., c.l., dlvd lb. .31½- —
l.c.l., dlvd lb. .32½- —
tanks, dlvd lb. .30 - —
Sebacate, dms., c.l., works lb. .53½- —
l.c.l., works lb. .56 - —
tanks, works lb. .54 - —
Tartrate, dms., works, frt. alld lb. .92 - 1.02
Dibutylamine, dms., c.l., frt. alld. lb. .51½- .52½
l.c.l., frt. alld lb. .52½- .53½
tanks, frt. alld lb. .49 - .50
Dicapryl sebacate, dms., c.l., works. lb. .57½- —
l.c.l., works lb. .58 - —
tanks, works lb. .56 - —
Dichloroanilin, dms., works lb. .75 - .80
Dichlorodiphenyldichloroethane (see DDD).
Dichlorodiphenyltrichloroethane (see DDT).
Dichloroethyl ether (see Ether, dichloroethyl).
Dichlorophenol, dms, frt. equald lb. .28 —
Dicyclohexylamine, dms., works lb. .38 —
Dicyclohexylphthalate, fib. dms., c.l., works lb. 42½- —
l.c.l., same basis lb. .43 - —
Diethanolamine, dms., c.l., E lb. .26½- —
l.c.l., same basis lb. .27½- —
tanks, same basis lb. .25 - —
Diethyl carbonate, dms., c.l lb. .36½- —
l.c.l., same basis lb. .37½- —
tanks, same basis lb. .35 - —
Maleate, dms., c.l., dlvd lb. .50½- —
l.c.l., dlvd lb. .51½- —
tanks, dlvd lb. .50 - —
Oxalate, dms., c.l., frt. alld lb. .34½- .35½
l.c.l. lb. .35½- .36½
tanks lb. .34 - —
Phthalate, dms., c.l., dlvd lb. .26 - .27½
l.c.l., dlvd lb. .27 - .28
tanks, dlvd lb. .24½- .26
Sulphate, dms., c.l., works lb. .14 - —
l.c.l., works lb. .15 - —
tanks, works lb. .13 - —
Diethylamine, dms., c.l., works lb. .69 - —
l.c.l., works lb. .71 - —
tanks, works lb. .65 - —
Diethylaminoethanol, dms., l.c.l., works, frt. alld. E. of Miss lb. .75 - —
Diethylanilin, dms lb. .48 - .57
Diethyleneglycol, dms., c.l., frt. alld. E lb. .17½- —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16 - —
Diethylether, dms., l.c.l., works lb. .40 - —
Monobutylether, dms., c.l., works lb. .26 - —
l.c.l., works lb. .26½- —
tanks, works lb. .24½- —
Monobutylether acetate, dms., c.l., works lb. .27½- —
l.c.l., works lb. .28 - —
Monoethylether, dms., c.l., works. lb. .18 - —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether, acetate, dms., c.l., works lb. .24 - —
l.c.l., works lb. .24½- —
Monomethylether, dms., c.l., works lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½- —
Diethylenetriamine, dms., c.l., works. lb. .51½- —
l.c.l., works lb. .52 - —
tanks, works lb. .50 - —
Diethylstilbestrol, USP, bots kilo. 255.00 -330.00
Digitalin, cryst., bots gram. 15.00 -18.00
powd., bots oz. 25.00 -30.00
Digitalis leaves, dms. lb. .85 1.25
Diglycol laurate, dms lb. .33 - —
Oleate, light, bbls., c.l lb. .33 - —
Stearate, bbls., c.l lb. .40 - —
Dihexyl sebacate, dms., c.l., works. lb. .45 - —
l.c.l., works lb. .45½- —
tanks, works lb. .43½- —
Dihydrostreptomycin hydrochloride and sulphate, hospitals, vials. gram. .80 - —
wholesalers, vials gram. .64 - —
Dihydroxydichlorodiphenylmethane, dms lb. .95 1.00
smaller containers lb. 1.05 1.40
Di-isobutyl ketone, dms., c.l., works. lb. .14 - —
l.c.l., works lb. .14½- —
tanks lb .12½- —
Di-isobutylene, dms., c.l., works lb. .07 - —
l.c.l., works lb. .07½- —
tanks, works lb. .05½- —
Di-isooctyl phthalate, dms. c.l., dlvd. lb. .42½- —
l.c.l., same basis lb. .43½- —
tanks, same basis lb. .41 - .41½
Dillseed, natural, bgs lb. .09½- .10
dewhiskered, bgs lb. .10¼- .10¾
Dimethyl phthalate, dms., c.l., dlvd. lb. .26½- —
l.c.l., dlvd lb. .27 - —
tanks, dlvd lb. .25 - —
Sebacate, dms., c.l., works lb. .72½- —
l.c.l., works lb. .73 - —
tanks, works lb. .71 - —
Sulphate, 55-gal. ret., dms., c.l., works lb. .15 - —
l.c.l., works lb. .16 - —
10-gal. ret. dms., works lb. .16½ —
Dimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .37 - —
l.c.l., works, basis 100% lb. .38 - —
tanks, works, basis 100% lb. .33 - —
Dimethylanilin, dms., c.l lb. .21 - .25½
l.c.l. lb. .25 - .26¾
Dinitroanilin, dms., frt. equald lb. .50 - —
Dinitrobenzene, bbls lb. .16 - .23
Dinitrochlorobenzene, dms lb. .14 - .18
Dinitrophenol, bbls lb. .28 - .32
Dinitrotoluene, oily, dms lb. .07 - .09
refd., dms lb. .17 - .21
Dinonylnaphthalene, c.l., dms., works lb. .13 - —
l.c.l., dms., works lb. .14 - —
tanks lb. .12 - —
Dioctyl phthalate, dms., c.l., frt. alld lb. .42½- —
l.c.l., frt. alld lb. .43½- —
tanks, frt. alld lb. .41½- —
Diorthotolylguanidin, dms., ton lots, dlvd lb. 48 - —
smaller lots, dlvd lb. .50 - —
Dioxan, dms., c.l., frt. alld lb. .25 - —
l.c.l., same basis lb. .25½- —
tanks, same basis lb .23½- —
Dip oil (see Tar acid oil).
Dipentaerythritol, bgs., l.c.l., works lb. .34 - —
Dipentene, dest.-dist., dms. incl., c.l., works, South gal. .35 - .53
l.c.l., same basis gal. .36 - .55
N. Y. whse gal. .50 - —
steam-dist., dms., c.l., whse., NYC. gal. .59 - —
l.c.l., same basis gal. .53 - .67
Diphenyl, bbls., c.l., works lb. .15 - —
l.c.l., works lb. .16 - .20
Oxide, perfume grade, cns., dms. lb. .43 - .48
Diphenylamine, bbls. lb. .26 - —
Diphenylguanidin, dms., ton lots lb. .39 - —
smaller lots lb .40 - —
Diphenylhydantoin-sodium, USP, dms. lb. 5.00 - 5.10
Dipropyleneglycol methylether, dms., c.l., frt. equald lb. .18 - —
l.c.l., same basis lb. .18½- —
tanks, same basis lb. .16½- —
Ditertiarybutylmetacresol, dms., c.l., works lb. .32 - —
l.c.l., works lb. .33 - —
tanks, works lb. .31 - —
Ditertiarybutylparacresol, dms., c.l., works lb. .94 - —
l.c.l., works lb. .95 - —
Divi-divi, 43% tannin, bgs., bls., c.l., U. S. ports, ex dock ton. 64.00 -66.00
Divinylbenzene, 18%, dms., c.l., works lb. .25 - —
l.c.l., works lb. .26 - —
tanks, works lb. .24 - —
40%, dms., c.l., works lb. .55 - —
l.c.l., works lb. .60 - .65
Dodecyltoluene, c.l., dms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks, works lb. .13 - —
Doggrass root, dom., cut, bls lb. .20 - .22
imp., NF, cut, bls lb. .35 - .40
Dogwood, Jamaica, bark, bls lb. .12 - .14
Dragon's blood, drops, cs lb. .45 - .47
mass, cs lb. 1.10 - 1.25
reeds, cs lb. 2.00 - 2.25
Dyes, coaltar, certified colors for food, drugs and cosmetics, 5-lb. and 1-lb. lots:—
Blue, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 17.00 -17.60
Green, FD&C, No. 1, cns. lb. 17.00 -17.60
No. 2, cns. lb. 22.20 -22.85
No. 3, cns. lb. 35.25 -35.90
Orange, FD&C, No. 1, cns. lb. 3.65 - 3.75
No. 2, cns. lb. 4.55 - 4.75
Red, FD&C, No. 1, cns. lb. 7.35 - 7.85
No. 2, cns. lb. 4.00 - 4.10
No. 3, cns. lb. 22.20 -22.85
No. 4, cns. lb. 7.20 - 7.50
No. 32, cns. lb. 5.30 - 5.40
Yellow, FD&C, No. 1, cns. lb. 10.50 -11.05
No. 3, cns. lb. 3.30 - 3.40
No. 4, cns. lb. 3.30 - 3.40
No. 5, cns. lb. 4.00 - 4.10
No. 6, cns. lb. 4.00 - 4.10
Dyes, coaltar, certified colors for drugs and cosmetics, 1-lb. lots:—
Black, D&C, No. 1, cns. lb. 10.95 - —
Blue, D&C, No. 4, cns. lb. 13.35 - —
Brown, D&C, No. 1, cns. lb. 16.10 - —
Green, D&C, No. 5, cns. lb. 16.10 - —
No. 6, cns. lb. 16.10 - —
No. 7, cns. lb. 14.80 - —
Orange, D&C, No. 3, cns. lb. 10.95 - —
No. 4, cns. lb. 20.05 - —
No. 5, cns. lb. 3.70 - —
No. 10, cns. lb. 20.70 - —
Red, D&C, No. 8, cns. lb. 3.75 - —
No. 9, cns. lb. 3.75 - —
No. 10, cns. lb. 3.00 - —
No. 11, cns. lb. 2.25 - —
No. 12, cns. lb. 3.00 - —
No. 17, cns. lb. 10.95 - —
No. 18, cns. lb. 24.00 - —
No. 21, cns. lb. 4.70 - —
No. 22, cns. lb. 10.95 - —
No. 28, cns. lb. 24.65 - —
No. 33, cns. lb. 17.45 - —
Violet, D&C, No. 1, cns. lb. 16.10 - —
No. 2, cns. lb. 16.10 - —
Yellow, D&C, No. 7, cns. lb. 10.95 - —
No. 8, cns. lb. 10.95 - —
No. 10, cns. lb. 13.50 - —
No. 11, cns. lb. 13.50 - —
No. 22, cns. lb. 9.15 - —
No. 33, cns. lb. 14.65 - —
No. 37, cns. lb. 13.55 - —

INVALUABLE

To Producers and Users of Chemicals

Monthly Chemical Market Reports
On a Specific Chemical or Chemicals

Monthly Chemical Market Reports
Covering Practically All Chemicals

To collect such information you would need to read over 150 publications monthly, plus government bulletins. The items are collated by a skilled staff of market-minded chemists.

You know who produced what, how much and where; who wants bids, what's new. In short, whatever there is in all the news and developments the past month is always right before your eyes, concise and accurate.

The Specific Chemical Service costs only $2.00 per month for each full page, per chemical, or $24.00 per year, whichever is less. Each chemical is listed on a separate page. On an unusual chemical there may be only 2 pages a year, on an important chemical, 2 to 3 pages monthly.

The cost of the complete service is only $1,200.00 per year. All subscriptions on either basis cancellable upon 30 days' notice. We also supply past accumulated data on any chemical at $2.00 per page. Special investigations and market briefs available. The list covers over 1,800 chemicals yearly, about half that many monthly.

You get more information for less in this manner than any other form we know of.

FOSTER D. SNELL INC.

Any and all questions as to this service will be answered promptly. Just phone or write Dick Moore.

Chemists — Engineers

29 W. 15 St. New York 11, N.Y. WA 4-8800

Dyes, coaltar, certified colors for external use in drugs and cosmetics, 1-lb. lots:—

Green, Ext. D&C, No. 1, cns.	lb.	16.10	—
Red, Ext. D&C, No. 1, cns.	lb.	13.50	—
Yellow, Ext. D&C, No. 1, cns.	lb.	10.95	—

Dyes, coaltar, for general use in cloth dyeing (numbers are those of the Colour Index scale or prototype).

20	Chrysodine G.	lb.	.59	—
27	Orange G.	lb.	.71	—
31	Amido naphthol red G.	lb.	.59	—
36	Alizarine yellow 2G.	lb.	.82	—
40	Alizarine yellow R.	lb.	.97	—
57	Amido naphthol red 6B	lb.	.97	—
79	Ponceau R.	lb.	.68	—
151	Orange II.	lb.	.44	—
165	Red lake C.	lb.	1.05	—
176	Red lake A.	lb.	.80	—
179	Azo rubine.	lb.	.95	—
180	Diamond blue 3B.	lb.	.84	—
185	Cochineal red A.	lb.	.85	—
202	Chrome blue black R.	lb.	.62	—
203	Chrome black T.	lb.	.72	—
208	Sulphon acid blue R.	lb.	.83	—
216	Acid alizarin red B.	lb.	.77	—
234	Resorcin brown.	lb.	.82	—
246	Naphthol blue black.	lb.	.78	—
278	Benzo fast red SBL.	lb.	2.96	—
289	Sulphon cyanine 5R extra	lb.	1.00	—
299	Diamond black F.	lb.	1.38	—
304	Nerol 2B.	lb.	1.83	—
326	Benzo fast orange S.	lb.	1.57	—
332	Bismarck brown R.	lb.	.78	—
355	Chrysophenine	lb.	2.14	—
382	Diamine scarlet B.	lb.	1.56	—
401	Diamine black BH.	lb.	.58	—
406	Benzo blue 2B conc.	lb.	.98	—
419	Diamine fast red F.	lb.	1.05	—
420	Diamine brown M.	lb.	.82	—
448	Benzo purpurine 4B.	lb.	1.08	—
518	Diamine sky blue FF.	lb.	1.48	—
561	Trisulphon brown B.	lb.	1.78	—
581	Direct deep black EW extra.	lb.	.81	—
593	Diamine green B.	lb.	.60	—
598	Congo brown G.	lb.	1.20	—
620	Sun yellow.	lb.	.84	—
639	Xylene light yellow.	lb.	1.77	—
640	Tartrazine	lb.	1.34	—
655	Auramine	lb.	1.69	—
657	Malachite green.	lb.	1.93	—
662	Brilliant green	lb.	2.55	—
667	Brilliant milling green B.	lb.	3.27	—
671	Glaucine	lb.	1.54	—
680	Methyl violet B.	lb.	.95	—
681	Crystal violet	lb.	1.91	—
698	Formyl violet S4B.	lb.	1.51	—
720	Chrome azurol B.	lb.	3.60	—
729	Victoria blue B.	lb.	2.68	—
737	Wool green S.	lb.	2.14	—
749	Rhodamine B	lb.	3.85	—
814	Chloramine yellow.	lb.	2.76	—
841	Safranine	lb.	2.58	—
865	Nigrosine WSJ 78	lb.	.56	—
922	Methylene blue GXX.	lb.	1.28	—
969	Hydron blue R.	lb.	.72	—
978	Sulphur black T extra.	lb.	.28½	—
1027	Alizarin VI	lb.	.64	—
1034	Alizarin red S	lb.	2.30	—
1054	Alizarin saphiro B	lb.	2.59	—
1078	Alizarin cyanine green.	lb.	2.61	—
1085	Alizarin blue black B.	lb.	2.13	—
1096	Indanthrene golden orange G, single paste	lb.	1.96	—
	double paste	lb.	3.92	—
1099	Indanthrene dark blue BO, single paste	lb.	1.72	—
1101	Caledon jade green	lb.	2.32	—
1105	Indanthrene blue RS, single double paste	lb.	2.52	—
	double paste	lb.	2.13	—
1113	Indanthrene blue GCD, double paste	lb.	1.72	—
1150	Indanthrene olive R, single paste	lb.	1.08	—
1151	Indanthrene brown R, single paste	lb.	1.65	—
	double paste	lb.	3.29	—
1212	Indanthrene red violet RH, single paste	lb.	1.54	—
1217	Helindon orange R, single paste	lb.	1.57	—
p-4	Acid anthracine brown PG.	lb.	2.48	—
p-14	Anthracene chromate brown EB	lb.	1.25	—
p-24	Benzo fast black L.	lb.	1.94	—
p-80	Diazo brilliant scarlet ROA.	lb.	2.55	—
p-202	Zambesi black V	lb.	1.07	—
p-244	Celliton scarlet B.	lb.	1.57	—
p-313	Naphthol AS-SW.	lb.	2.74	—

Dyes, coaltar, for stains, oil-soluble, 100-lb dms., sellers' works at warehouse.

Black, blue, No. 550	lb.	.72	—
Jet, No. 551	lb.	.79	—
Brown, R, conc	lb.	1.44	—
Orange R, brilliant	lb.	.80	—
Red 4 B, conc	lb.	1.22	—
Yellow, C	lb.	1.05	—
FN, conc.	lb.	1.08	—

Dyes, coaltar, for stains, spirit-soluble, 100-lb. dms., sellers' works.

Auramine, O	lb.	1.66	—
Black, basic, blue	lb.	1.08	—
Jet	lb.	1.03	—
Blue, methylene, 2 B, conc	lb.	1.44	—
Brown, Bismarck, R, conc.	lb.	.78	—
Chrysodine, R, extra	lb.	.54	—
Y, extra	lb.	.58	—
Fuchsine, conc	lb.	2.84	—
Green, malachite, conc.	lb.	1.80	—
Rhodamine, B	lb.	3.97	—
Safranine, Y, conc.	lb.	2.66	—
Violet, methyl, 8	lb.	1.08	—

Dyes, coaltar, for stains, water-soluble, 100-lb. dms., sellers' works.

Black, acid blue, B extra	lb.	.76	—
Orange, acid, Y, conc	lb.	.43	—
Rhodamine, azo- R, extra conc.			
Rhodamine, R, extra, conc	lb.	3.07	—
Scarlet, croceine, MOO.	lb.	1.33	—
Yellow, azo-, conc	lb.	.32	—
Fast light, 3 G, extra	lb.	1.99	—
Methanil, conc	lb.	.83	—

Oil-soluble, spirit-soluble, water-soluble dyes in kegs, 3c. higher; tins, 10c. higher.

E

Echinacea root, bls	lb.	.45	.55
Egg albumen (see Albumen).			
Yolk, dried, dom., bbls	lb.	1.08	1.10
tanners, bbls	lb.	.06½	.07
Elder flowers, bright, bls	lb.	.45	.50
Elecampane root, bls	lb.	.25	.28
Elm bark, grinding, bls	lb.	.35	.36
powd., bbls., bxs.	lb.	.46	.47
select, bndls.	lb.	.60	.65
Emetine hydrochloride, USP, bots	oz.	42.50	48.00
Ephedra herb, bls	lb.	.20	.21
Ephedrine, synthetic, USP, anhydrous, bots., 100 ozs	oz.	.98	—
hydrous, bots., 100 ozs	oz.	.92	—
Hydrochloride, tin, 100 ozs	oz.	.75	—
Sulphate, cryst., tins, 100 ozs.	oz.	.72	—
powd., tins, 100 ozs	oz.	.73	—
Epichlorohydrin, dms., c.l., works	lb.	.36½	—
l.c.l., works	lb.	.37	—
tanks, works	lb.	.35	—
Epinephrine, synth., USP, bots gram		.60	.70
Epsom salt, tech., bgs., c.l., works, 100 lbs.		2.15	—
l.c.l., works 100 lbs.		2.90	3.15
USP, cryst., bgs., c.l., works 100 lbs.		2.35	—
l.c.l., 5,000 lbs., 1 withdrawal 100 lbs.		3.10	—
smaller lots 100 lbs.		3.35	—
Ergot, NF, cns	lb.	1.35	1.40
Eserine, bots	oz.	55.00	56.00
Salicylate, USP, bots	oz.	38.75	39.75
Sulphate, bots	oz.	60.00	61.00
Ether, acetate (see Ethyl acetate).			
Amyl, dms., c.l., works	lb.	.095	—
l.c.l., works	lb.	.102	—
tanks, works	lb.	.095	—
Butyl, dms., c.l., dlvd	lb.	.30½	—
l.c.l., dlvd	lb.	.31	—
tanks	lb.	.29	—
Butyric (see Ethyl butyrate).			
Dichloroethyl, purif., dms., works.	lb.	.16½	—
l.c.l., same basis	lb.	.17	—
tanks, same basis	lb.	.15	—
Divinyl, USP, anesthesia, bots., 50 cc, hospitals	bot.	1.00	—
75 cc, hospitals	bot.	1.56	—
Ethyl, absolute, ACS, dms	lb.	.30	—
Anesthesia, USP, hospital, cns	lb.	.70	1.05
Industrial, USP, dms., c.l., dlvd	lb.	.12	—
Ether, ethyl, industrial, USP, dms., l.c.l., same basis	lb.	.13	—
tanks, same basis	lb.	.10	—
synthetic, dms. incl., frt. alld.	lb.	.11½	—
l.c.l., same basis	lb.	.12½	—
tanks, same basis	lb.	.10	—
Isopropyl, dms., c.l., dlvd	lb.	.06	—
l.c.l., dlvd	lb.	.06½	—
tanks, dlvd	lb.	.04½	—
Nitrous, conc., bots., 100 lbs	lb.	1.03	1.10
Ethyl acetate, natural, fermentation, 85-88%, dms., c.l., frt. alld.	lb.	.11½	—
l.c.l., frt. alld	lb.	.12½	—
tanks, frt. alld	lb.	.10	—
95-98%, dms., c.l., frt. alld.	lb.	.11¾	—
l.c.l., frt. alld	lb.	.12¾	—
tanks, frt. alld	lb.	.10¼	—
99%, dms., c.l., frt. alld.	lb.	.12	—
l.c.l., frt. alld	lb.	.13	—
tanks, frt. alld	lb.	.10¼	—
synthetic, 85-90%, dms., c.l., frt. alld	lb.	.11½	—
l.c.l., frt. alld	lb.	.12½	—
tanks, frt. alld	lb.	.10	—
95-98%, dms., c.l., frt. alld.	lb.	.11¾	—
l.c.l., frt. alld	lb.	.12¾	—
tanks, frt. alld	lb.	.10¼	—
99%, dms., c.l., frt. alld.	lb.	.12¼	—
l.c.l., frt. alld	lb.	.13¼	—
tanks, dlvd	lb.	.10¾	—
Acetoacetate, dms., c.l., dlvd	lb.	.47½	—
l.c.l., dlvd.	lb.	.48½	—
tanks, dlvd.	lb.	.46	—
Benzoate, dms	lb.	.68	—
Betaethoxypropionate, dms., works	lb.	.70	—
Bromide, tech., 98%, dms	lb.	.39	.41

Dyes, Coaltar, Certified—Ethylene Dichloride

Ethyl, butyrate, bgs	gal.	4.75	—
cns., works	lb.	.65	.70
dms., works	lb.	.60	—
Carbamate (see Urethane).			
Chloride, tech., tanks	lb.	.13½	—
USP, bbls., cyl	lb.	.20	.22
Cinnamate, cns	lb.	2.30	3.60
Formate, dms	lb.	.38	—
Iodide, bots	lb.	4.03	4.27
Lactate, dms., works	lb.	.41	—
Methycrylate, M-2, dms., works	lb.	.60	—
cns., works	lb.	.63	.67
P-2, cns., works	lb.	.65	—
Myristate, dms., works	lb.	No prices.	
Nitrite (see Ether, nitrous).			
Oenanthate, dms	lb.	1.40	2.00
Oleate, dms., l.c.l., works	lb.	.53	—
Oxalate (see Diethyl oxalate).			
Silicate, dist. (see Tetraethyl orthosilicate)			
40% available SiO_2, dms., works.	lb.	.55	—
Ethylalphanaphthylamine, bbls.	lb.	.80	—
Ethylanilin, dms	lb.	.60	—
Ethylbenzene, dms., c.l.	lb.	.14	—
l.c.l.	lb.	.15	—
tanks	lb.	.13	—
Ethylcellulose, fib. dms., 5,000 lbs., works	lb.	.52	—
smaller lots, works	lb.	.54	.83
Ethylene dichloride, dms., c.l., works, frt. alld. E. of Rockies	lb.	.09	—
W. of Rockies	lb.	.09½	—
l.c.l., works, frt. alld., E. of Rockies	lb.	.11½	—
W. of Rockies	lb.	.12	—
smaller containers	lb.	.12½	—
tanks, frt. alld. E. Rockies	lb.	.08	—
W. of Rockies	lb.	.08½	—

The usefulness of every product in this list depends on

The uniform dependable purity of every one is typically

Mallinckrodt

Check the Mallinckrodt iodine compounds which are used in your products. Write to your nearest Mallinckrodt office for data and quotations.

Iodine Crude
Iodine U.S.P. Resublimed Crystals
Iodine U.S.P. Resublimed Granular
Iodine A.R.
Iodine Tincture Strong N.F.
Iodine Tincture U.S.P.
Acid Hydriodic Diluted U.S.P.
Acid Hydriodic Conc. Sp. Gr. 1.5
Acid Hydriodic Sp. Gr. 1.5 A.R.
Acid Iodic A.R.
Acid Iodic Anhydride A.R.
Ammonium Iodide N.F.
Ammonium Iodide A.R.
Arsenic Triiodide N.F.
Barium Iodide
Cadmium Iodide
Cadmium Iodide A.R.
Calcium Iodide
Collodion Photo Iodizer, White Label
Collodion Photo Iodizer, Orange Label
Ethyl Iodide A.R.
Ferrous Iodide
Ferrous Iodide Syrup N.F.
IODEIKON ® for cholecystography
Iodide Mixture (for mineral feeds)
Iodoform N.F. Powder Heavy
Iodoform N.F. Powder Light
IOFLOW ® (for mineral feeds)
Iodophthalein Sodium U.S.P.
IOMAG ® (for mineral feeds)
ISO-IODEIKON ® for cholecystography
Lead Iodide N.F.
Lithium Iodide
Mercurous Iodide Yellow N.F.
Mercuric Iodide Red N.F.
Mercuric Iodide A.R.
Methyl Iodide A.R.
Potassium Iodate
Potassium Iodate A.R.
Potassium Iodide U.S.P. Crystals
Potassium Iodide U.S.P. Granular
Potassium Iodide U.S.P. Powder
Potassium Iodide A.R. Crystals
Potassium Iodide A.R. Granular
Potassium Iodide Neutral A.R.
Potassium Mercuric Iodide N.N.R.
Silver Iodide
Sodium Iodate
Sodium Iodate A.R.
Sodium Iodide U.S.P.
STABILIDE ® (for mineral feeds)
Strontium Iodide U.S.P.
Thymol Iodide N.F.
Zinc Iodide N.F.

22 Years of Service to Chemical Users

Mallinckrodt Chemical Works

Mallinckrodt St., St. Louis 7, Mo.
72 Gold St., New York 8, N. Y.
CHICAGO • CINCINNATI • CLEVELAND
LOS ANGELES • MONTREAL
PHILADELPHIA • SAN FRANCISCO
Uniform • Dependable • Purity

Ethylene Oxide—Green, Chrome

Ethylene oxide, cyls., c.l., works, lb. .23¾- .25
l.c.l., works lb. .24¾- .26
tanks, works and frt. equald. or alld. lb. .15¾- .16¾
Trichloride (see Trichloroethane).
Ethylenediamine, tanks, works lb. .50 • —
Ethyleneglycol, dms., c.l., frt. alld. E. lb. .16 • —
l.c.l., same basis lb. .17 • —
tanks, same basis lb. .14½- —
Diethylether, dms., l.c.l., works, lb. .50 • —
Monobutylether, dms., c.l., wurks, lb. .21¼- —
l.c.l., works lb. .22 • —
tanks, works lb. .20 • —
Monoethylether, dms., c.l., works, lb. .18 • —
l.c.l., works lb. .18½- —
tanks, works lb. .16½- —
Monoethylether acetate, dms., c.l., works lb. .16½- —
l.c.l., works lb. .17 • —
tanks, works lb. .15 • —
Monomethylether, d m s., c.l., works lb. .19½- —
l.c.l., works lb. .20 • —
tanks, works lb. .18 • —
Monomethylether acetate, dms., c.l., works lb. .24½- —
l.c.l., works lb. .25 • —
tanks, works lb. .23 • —
Ethylethanolamines, mixed, dms., c.l., works lb. .32 • —
l.c.l., works lb. .33 • —
Ethylmorphine hydrochloride, USP, bots oz. 11.85 • —
Ethylorthotoluidine, bbls lb. .80 • —
Ethylvanillin, cns., 5 lbs. or more lb. 6.75 • —
smaller lots lb. 6.80 • 6.90

Eucalyptol, USP, cns., dms lb. 1.75 • 2.05
Eucalyptus leaves, bls lb. .11 • .14
Eugenol, prime, USP lb. 2.00 • 2.50
Euphorbia pil., herb, bls lb. .15 • .17

F

Feldspar, enamel, 100 mesh, bgs., works ton. 20.00 -22.00
Glass, 20 mesh, bulk, tons, works ton. 11.75 -12.50
bulk, c.l., works ton. 18.00 -20.00
Pottery, bgs., 2 ton lots, works, ton. 20.00 -22.00
bulk, c.l., works ton. 17.00 -19.00
Fennel seed, Argentine, bgs lb. .13½- .14
French, bgs lb. .12 • .12½
Indian, bgs lb. .12 • .12½
Fenugreek, domestic, bgs. lb. No stocks.
Indian, bgs lb. .11 • .11½
futures, bgs. lb. .10¼- .10½
Moroccan, bgs lb. .11 • .14
Ferric-ammonium citrate (see iron-ammonium citrate).
Ferric cacodylate (see iron cacodylate).
Ferric glycerophosphate (see Iron glycerophosphate).
Ferric hypophosphite (see Iron hypophosphite).
Ferric sulphate (see Iron sulphate, ferric).
Film scrap, colored, cs., works lb. .12 • —
water-white, cs., works lb. .13 • —
Fir balsam, Canada, cns gal. 32.50 -33.00
Oregon, bbls gal. 2.35 • 2.45
Fishberries, bgs lb. .24 • .25

Fishliver oil (see Oil, fishliver).
Fishmeal, ground, 60% protein, bgs., Balto. area ton. 150.00 Nom.
65% protein, bgs., Balto. area ton. 155.00 Nom.
Fishscrap, dried, 60% protein, bulk, Balto. area ton. 142.50 Nom.
Fleaseed (see Psyllium seed).
Fringetree bark, bls. lb. .45 • .47
Fluorspar, acid grade, bgs., c.l., mines ton. 47.50 • —
l.c.l., mines ton. 49.50 • —
bulk, contract, c.l., mines ton. 42.00 • —
noncontract, c.l., mines ton. 45.00 • —
l.c.l., mines ton. 47.00 • —
ceramic grade, No. 1, ground, 90-92% CaF_2, bulk, c.l., mines net ton. 39.00 -41.00
washed, gravel, 70% or more, CaF_2, bulk, c.l., mines ton. 35.00 -37.00
65%, bulk, c.l., mines ton. 34.00 -36.00
60%, bulk, c.l., mines ton. 33.00 -35.00
less than 60%, bulk, c.l., mines, ton. 32.00 -34.00
Formaldehyde, USP (inhibited), dms., c.l., E. works lb. .0570- —
l.c.l., E. works lb. .0620- —
tanks, E. works lb. .0370- —
methanol-free (uninhibited) tanks, works lb. .0350- —
Tankcar and tankwagon prices above are on a delivered basis in New England, Eastern New York, N. J., Eastern Penna., and part of Delaware. In states other than Eastern Seaboard, as well as W. of Rockies, prices f.o.b. Texas plants, are .022 for inhibited and .020 for uninhibited.
Fuller's earth, dom., powd., bgs., c.l., Fla., Ga. mines ton. 30.00 • —
Tex., mines ton. 27.00 • —
spent, bulk, Bayonne ton. 2.00 • 4.00
imp., bgs., c.l. ton. 30.00 -40.00

Furfural, tech., dms., c.l., works lb. .12 • —
l.c.l., works lb. .14 • —
tanks, works lb. .09½- —
Fusel oil, refined, dms., c.l. lb. .25½- —
l.c.l. lb. .26½- —
tanks lb. .24 • —
Fustic extract, cryst., No. 1, bbls., l.c.l. lb. .42½- —
No. 1A, bbls., l.c.l. lb. .41½- —
No. 2, bbls., l.c.l. lb. .40½- —
No. 3, bbls., l.c.l. lb. .38½- —
liquid, No. 0, bbls., l.c.l. lb. .22 • —
No. 1, bbls., l.c.l. lb. .20½- —
No. 2, bbls., l.c.l. lb. .19½- —
No. 3, bbls., l.c.l. lb. .17 • —
solid, No. 1, bxs., l.c.l. lb. .28 • —

G

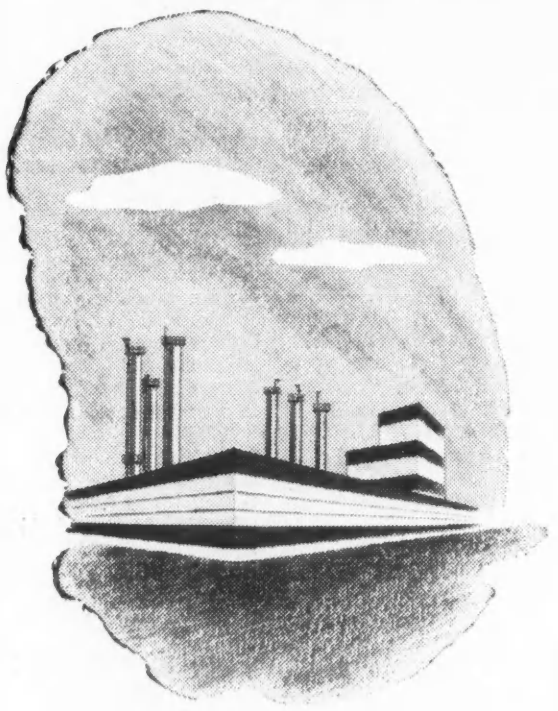
G salt, bbls lb. .59 • .60
Galangal root, bls. lb. .14 • 15
Gambier, plantation, bgs., ex dock lb. No stocks.
Extract, bbls No stocks.
Gammapicoline, 95%, dms., c.l., works lb. 1.00 1.05
Gasoline, at refinery, ex tax, Arkansas, 73-75 octane, tanks, gal. .10125- —
Bayonne, 76 octane, tanks gal. .132 • —
Gulf coast, 73-75 octane, tanks, gal. .10 • .11
Group 3, 73-75 octane, tanks gal. .09875- .10125
Pennsylvania, western, U. S. motor, 74 octane, leaded tanks gal. .1175- .12
natural, 26-70 octane, group 3, tanks gal. .05 • —
Gelatin, silver label, cs., works lb. 1.20 • —
Gelsemium root, bls lb. .25 • .30
Gentian root, bls lb. .14 • .16
grd., bbls., bxs lb. .17 • .19
powd., bbls., bxs lb. .18 • .20
Geraniol, extra, cns., dms lb. 2.50 • 2.75
prime lb. 2.20 • 2.40
Geranyl acetate, cns lb. 2.65 • 3.90
Ginger, oleoresin, bots lb. 4.50 • 4.75
Root, African, bls lb. .26 • .28½
Cochin, bleached, bgs lb. No stocks.
unbleached, bgs. lb. .20 Nom.
Jamaica, No. 1, bgs lb. No stocks.
No. 2, bgs lb. .35 • .36
No. 3, bgs lb. .33 • .34
Rhattoon, bgs. lb. .31 • .32
Ginseng root, cs lb. 12.00 -16.00
Glauber's salt, anhyd. (see Sodium sulphate),
cryst., bgs., c.l., works 100 lbs. 2.00 —
l.c.l, bgs., works 100 lbs. 2.25 2.50
Glue, bone, calcium type, 24, millipoise, 40 jellygrams, bgs., c.l., East of Midwest lb. .14½- —
40-65, bgs., c.l., same basis lb. .16½- —
65-90, bgs., c.l., same basis lb. .18 • —
95-145, bgs., c.l., same basis lb. .22½- —
145-180, bgs., c.l., same basis lb. .25 • —
Bone glue, l.c.l., prices 1c. higher than c.l.
ground, 40-45 jellygrams, bgs., c.l. (50,000 lbs.), dlvd lb. .16 • —
l.c.l., same basis lb. .17 • —
pulverized, 50-60 jellygrams, bgs., c.l., (50,000 lbs.) same basis lb. .18½- —
l.c.l., same basis lb. .19½- —
Hide, 100-121 (jellygrams), bgs., c.l., dlvd lb. .24 • .25
122-149, bgs., c.l., dlvd lb. .25 • .26
150-177, bgs., c.l., dlvd lb. .26 • .27
178-206, bgs., c.l., dlvd lb. .27 • .29
207-236, bgs., c.l., dlvd lb. .28 • .30
237-266, bgs., c.l., dlvd lb. .29 • .31
267-296, bgs., c.l., dlvd lb. .30 • .32
299-330, bgs., c.l., dlvd lb. .31 • .33
331-362, bgs., c.l., dlvd lb. .32 • .35
363-394, bgs., c.l., dlvd lb. .33 • .36
395-427, bgs., c.l., dlvd lb. .34 • .37
428-460, bgs., c.l., dlvd lb. .35 • .38¼
461-494, bgs., c.l., dlvd lb. .36 • .40
495-529, bgs., c.l., dlvd lb. .37 • .41
Hide glue, l.c.l., prices 1c. higher than c.l.; bbls., ½c. more than bgs.

Glycerin, crude, saponification, 88%, to refiners, tanks, dlvd lb. .16¾- —
soaplye, 80%, tanks, dlvd lb. .15¼- —
dynamite, dms., c.l., dlvd lb. .24 • —
l.c.l., dlvd lb. .24½- —
tanks, dlvd lb. .23½- —
high gravity, dms., c.l., dlvd lb. .24¼- —
l.c.l., dlvd lb. .24¾- —
tanks, dlvd lb. .23¾- —
refined, BP, 93%, dms., c.l., dlvd, lb. .25½- —
l.c.l., dlvd lb. .26 • —
tanks, dlvd lb. .25 • —
USP, c.p., 95%, dms., c.l., dlvd lb. .24¾- —
l.c.l., dlvd lb. .25¼- —
tanks, dlvd lb. .24¼- —
yellow, distilled, dms., c.l., dlvd lb. .24⅛- —
lb. .24⅛- —
l.c.l., dlvd lb. .24⅝- —
tanks, dlvd lb. .23⅜- —
Glycine USP (see Acid, aminoacetic).
Glycol boriborate, dms lb. .22 • —
Stearate, dms. lb. .26 • —
Glyoxal, 30%, dms., c.l., works lb. .17½- —
l.c.l., works lb. .18 • —
tanks, works lb. .17 • —
Gold chloride, acid-brown, bots oz. 22.00 -22.25
acid-yellow, bots oz. 20.00 -20.25
Gold of pleasure seed, bgs lb. 40 • 41
Golden seal, root, bls lb. 3.65 • 4.00
powd., bxs lb. 4.25 • 4.50
Gold-sodium chloride, photo, bots oz. 13.50 -14.00
USP IX, bots oz. 14.50 -15.00
Grains of paradise, bgs lb. .30 • .33
Graphite, imported, amorph., powd., bgs., dlvd lb. .04 .06
crystalline, 88-90%, powd., bgs., ex whse lb. .14 .16
90-92%, powd., bgs., ex whse. lb. .16 .19
97%, powd., bgs., ex wnse lb. .22 .25
flake, No. 1, 90-95%, bgs., ctns., ex whse lb. .21 .22
No 2 whse lb .23 —
Grease, house, dlvd., loose lb. .05 Nom.
White, choice, loose lb. .06 Nom.
Wool (see Degras and Lanolin).
Yellow, loose lb. .04⅜-Nom.
Green, brilliant, thioflavin, toner, molybdic, kgs., works lb. 4.25 • 4.50
Tungstic, kgs., works lb 4.25 • 4.50
Chrome, CP, dark, light, medium, blue content up to 5%, bbls., dlvd., N. of Tenn. and N. C. E. of Miss., including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis lb. .37 • —
6-10%, bbls., same basis lb. .38 • —
11-15%, bbls., same basis lb. .38¾- —
16-20%, bbls., same basis lb. .39½- —
21-25%, bbls., same basis lb. .40½- —
26-30%, bbls., same basis lb. .40¾- —

one of many DOW chemicals serving American Industry

SODIUM SULFIDE

Now Readily Available



Also available are:
Magnesium Chloride
Epsom Salt
Hydrochloric Acid
Monochlorobenzene

THE DOW CHEMICAL COMPANY
MIDLAND, MICHIGAN
New York • Boston • Philadelphia • Washington
Cleveland • Detroit • Chicago • St. Louis • Houston
San Francisco • Los Angeles • Seattle
Dow Chemical of Canada, Limited, Toronto, Canada

DOW
CHEMICALS INDISPENSABLE TO INDUSTRY AND AGRICULTURE

WALLACH GRACER — Where Promises Are Kept!

ACETYL CHLORIDE
ALUMINUM CHLORIDE, ANHYDROUS
ANTIMONY TRICHLORIDE, ANHYDROUS
ARSENIC TRICHLORIDE, ANHYDROUS
BENZAL CHLORIDE
BENZOATE OF SODA, USP AND TECH
BENZOIC ACID, USP and TECH
BENZOIC ANHYDRIDE
BENZOTRICHLORIDE
BENZOYL CHLORIDE
BENZYL ALCOHOL, TECH
BENZYL CHLORIDE
BENZYL THIOCYANATE
BUTYRYL CHLORIDE
CAPRYLYL CHLORIDE
CAUSTIC SODA
CHLORANISIDINE
CP-40 (CHLORPARAFFIN)
CP-70 (CHLORPARAFFIN)
CYCLOHEXANOL
2,5-DICHLORANILINE
2,5-DICHLORNITROBENZENE
HEXACHLORBENZENE
LAURYL CHLORIDE
LAURYL MERCAPTAN
LAURYL PYRIDINIUM CHLORIDE, Solid
METANITROBENZOYL CHLORIDE
METHYL BENZOATE
METHYL CYCLOHEXANOL
METHYL DICHLORSTEARATE
METHYL PENTACHLORSTEARATE
METHYL STEARATE
MONOCHLORACETIC ACID
MONOCHLORBENZENE
MONOCHLORTOLUENE
ORTHODICHLORBENZENE, TECH
PARADICHLORBENZENE
PARANITROBENZOYL CHLORIDE
PHENYL ISOCYANATE
PIPERIDINE
PROPIONYL CHLORIDE
SODIUM SULFHYDRATE
SODIUM SULFIDE
SODIUM TETRASULFIDE, Solution
SULFUR DICHLORIDE
SULFUR MONOCHLORIDE
SULFURYL CHLORIDE
TETRACHLORBENZENE-1,2,4,5
TETRAPHENYL TIN
THIONYL CHLORIDE
TRICHLORBENZENE-1,2,4, TECH

All of the listed chemicals are manufactured by one of America's leading firms.

Detailed information on each of the products listed is available on request. Your inquiries will be given our careful consideration, and when appropriate, the laboratories of our principals are available to provide special information. A technical staff is also available for consultation on matters relating to the handling and storing of these chemicals.

WALLACH GRACER
EXPORT CORPORATION
MANUFACTURERS REPRESENTATIVES
55 WEST 42nd ST., NEW YORK 18, N. Y., U. S. A.
TEL: LOngacre 4-5490 ✦ CABLE ADDRESS: WALGRAY

Green, Chrome, CP—Hexanol

Green, chrome, CP., dark, light, medium blue content, 31-35%, bbls., same basis lb. .40½- —
36-40%, bbls., same basis lb. .43½- —
41-45%, bbls., same basis lb. .45 - —
46-50%, bbls., same basis lb. .46¾- —
50% and over, bbls., same basis lb. .47¾- —
reduced color, 5%, bbls., same basis lb. .13 - —
6-10%, bbls., same basis lb. .13¾- —
11-13%, bbls., same basis lb. .14¼- —
14-16%, bbls., same basis lb. .15 - —
17-19%, bbls., same basis lb. .15¼- —
20-21%, bbls., same basis lb. .15½- —
22-23%, bbls., same basis lb. .15¾- —
24-25%, bbls., same basis lb. .16 - —
26-27%, bbls., same basis lb. .16½- —
28-29%, bbls., same basis lb. .17 - —
30-31%, bbls., same basis lb. .18 - —
32-33%, bbls., same basis lb. .19¼- —
34-35%, bbls., same basis lb. .20¼- —

Green, chrome, reduced color, 36-40%, bbls., same basis lb. .23 - —
41-45%, bbls., same basis lb. .25¼- —
46-50%, bbls., same basis lb. .26¾- —
51-55%, bbls., same basis lb. .26½- —
56-60%, bbls., same basis lb. .27 - —
61-65%, bbls., same basis lb. .28 - —
66-70%, bbls., same basis lb. .29¼- —

Chrome green prices are ½c. higher dlvd. Ala., Fla., Ga., La. (Shreveport, 1½c.), Miss., N. C., S. C., Tenn., Texas (Dallas, Ft. Worth, 1¼c.; El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1c. higher dlvd. Pac. coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.

Chromium oxide, hydrated, bbls., works lb. .75 - 1.00
pure, bgs., frt. alld lb .33 .40
Dyes (see Dyes, coaltar).
Malachite, thioflavin toner, molybdic, bbls., works lb. 3.00 - —
Tungstic, bbls., works lb. 3.40 - —
Paris (see P).
Phthalocyanin toner bbls., works lb. 4.40 5.00
Tungstated, brilliant, kgs lb. 3.00 - 4.00
Emerald, kgs lb 2.60 - —
Verdigris (see V).
Grindelia robusta herb bls lb. .25 - .30

Guaiac resin, cs lb. .48 .49
Wood, bls lb. .35 .36
Guaiacol, cryst., tins lb. No prices.
Liquid, NF, bots., cbys lb. 1.90 - 1.95
Carbonate, dms lb. 2.95 - 3.00
Guarana, powd., cs lb. 1.00 2.10
Gum, accroides (see Gum, yacca).
Aloe (see A.)
Ammoniac, tears, cs lb. .90 .95
Arabic, amber, sorts, bgs lb. .12 - .14
powdered, USP, bbls lb. .20½ .21
Asafetida (see A).
Asphalthum (see A).
Benzoin, Sumatra, cs lb. .38 .40
Camphor (see C).
Copal, Congo, No. 1, bgs. lb. .23 - .25
No. 2, bgs. lb. .19 - .21
No. 3, bgs. lb. .14 - .16
Manila, loba, B, bgs. lb. .26 - .28
C, bgs. lb. .24 - .26
CBB, bgs. lb. .19 - .21
CNE, bgs. lb. .13½ - .15
DBB, bgs. lb. .18 - .20
DK, bgs. lb. .13½ - .15
dust, bgs. lb. .07½ - .09
soft, MA, bgs. lb. .13½ - .15
WS, bgs. lb. .20 - .21
Philippine, pale, chips, bgs. lb. .18½ - .20½
nubs, bgs. lb. .22 - .24
seeds, bgs. lb. .15 - .16
sorts, bgs. lb. .17½ - .19½
Pontianak, chips, bgs. lb. .22 - .24
nubs, bgs. lb. .35 - .38
Dammar, Batavia, A D, bgs lb. .28 - .30
A E, bgs. lb. .23 - .24
dust, bgs lb. .08½ - .09½
E, bgs. lb. .14 - .15

Gum, dammar, East India, batu, bold, bgs. lb. .09¾- .11
nubs & chips, bgs. lb .07½- .09
black, bold, bgs lb. .12½- .13½
unscraped, bgs. lb. .09½- .10¼
nubs & chips, bgs. lb. .09½- .10¼
pale, chips, bgs. lb. .13 - .15
nubs, bgs. lb. .26 - .28
Singapore, No. 1, bgs lb. .30 - .32
No. 2, bgs. lb. .22 - .23
No. 3, bgs. lb. .10 - .12
dust, bgs. lb. .09 - .10
seeds, bgs. lb. .13 - .14
Elemi, cns lb. .21 .22
Ester, um-rosin type, dms., c.l., dlvd. Ill., Ind., Ky., Mich., Mid-Atl. States, N. E. States, Minneapolis, N. C., Ohio, St. Louis, St. Paul, Va., W. Va lb. .17 17¾
wood-rosin type, dms., c.l., dlvd. Ill., Ind., etc lb. .17 .17¾
Euphorbium, cs lb. .50 - .55
Galbanum, cs lb. .98 - 1.00
Gamboge, pipe, cs lb. 1.20 - 1.25
powd., bbls lb. 1.35 - 1.40
Ghatti, No. 2, bgs lb. .35 - .37
No. 3, bgs lb .31 .33
Guaiac (see Guaiac resin).
Karaya, powd., No. 1 lb. .51 - .52
No. 2 lb. .47 - .48
No. 3 lb. .39 - .40
Kauri, bgs lb. 31½- .32¾
Locust bean, powd., bgs lb. .55 - .57
Mastic, cs lb 2.25 2.30
Myrrh, cs lb .35 .38
Olibanum, siftings, cs lb. .12 - .13
tears, cs lb .22 .38
Opium (see O).
Red (see Gum, yacca).
Rosin (see R).
Sandarac, cks. lb. .90 - .95
Scammony, cs lb 1.50 1.55
Sterculia (see Gum, karaya).
Talha, bgs lb 10 11
Tragacanth, No. 1, cs lb 3.00 - 3.25
No. 2, cs lb 2.40 2.65
No. 3, cs lb 2.00 - 2.25
powdered, USP, bbls lb 1.35 1.45
Yacca, bgs lb 06 —
Gypsum, Keane's cement, paper bgs., c.l., Acme, Tex., frt equald ton. 22.65 —
Harlem river N. Y., frt. equald ton. 25.25 - —
Medicine Lodge, Kan., frt. equald ton. 17.00 - —
New Brighton, N. Y., frt equald ton. 30.65 —
Southard, Okla. frt. equald ton. 17.00 - —
Sweetwater, Tex., frt equald ton. 21.45 —
Plaster of paris, paper bgs., c.l., Acme, Texas, frt. equald. ton. 12.50 - —
Blue Rapids, Kans., frt equald ton. 10.50 - —
Harlem river, N. Y., frt. equald ton. 12.00 - —
Medicine Lodge, Kan., frt. equald ton. 12.50 - —
New Brighton, N. Y., frt equald ton. 18.00 - —
Southard, Okla., frt. equald. ton. 12.50 - —
Sweetwater, Tex., frt equald ton. 12.50 —
Saltville, Va., frt equald ton. 9.00 - —
Akron, N. Y., frt. equald ton. 8.00 —
Blue Rapids, Kans., frt. equald ton. 8.00 —
Clarence Center, N. Y., frt. equald ton. 8.00 - —
Fort Dodge, Iowa, frt. equald ton 8.00 —
Grand Rapids, Mich., frt. equald ton 8.00 —
Gypsum, Ohio frt. equald ton 8.00 —
Harlem river, N. Y., frt. equald ton. 8.00 - —
National City, Mich., frt. equald ton. 8.00 - —
New Brighton, N. Y., frt. equald ton 8.00 - —
Plasterco, Ga., frt. equald. ton. 8.00 - —
Portsmouth, N.H., frt. equald. ton. 8.00 —
Roton, Texas, frt. equald ton. 8.00 - —
Saltville, Va., frt. equald ton. 9.00 - —
Southard, Okla., frt. equald ton. 8.00 —
Sweetwater, Texas frt equald ton 8.00 —
Terra alba, paper bgs., c.l., Harlem river, N. Y., works ton. 22.50 - —
New Brighton, N. Y., works ton. 21.00 —

H

Hawthorn berries, bgs lb .55 .57
Heliotropin, cryst., cns lb. 2.85 3.05
Hellebore root, dom., green, bls lb. .60 - .65
imp., black, whole, bls lb. .30 - .32
ground, bxs. lb. .35 - .37
powder, bxs. lb. .37 - .39
white, whole, bls lb. .35 - .43
powder, bxs lb. .45
Helonias root, bls lb. 1.65 1.75
Hematine extract, cryst., No. 0, bbls., l.c.l lb 45½ —
No. 1, bbls., l.c.l. lb. 44½ —
No. 1A, bbls., l.c.l lb. 41½ —
No. 2, bbls., l.c.l lb. 40½ —
No. 3, bbls., l.c.l lb. 38½ —
No. 4, bbls., l.c.l lb 36½ —
No. 5, bbls., l.c.l lb 34½ —
paste, No. 1, bbls., l.c.l lb. .19 —
No. 2, bbls., l.c.l lb. .18 —
No. 3, bbls., l.c.l. lb. .17 —
No. 4, (red), bbls., l.c.l. lb. .12½ —
Hemlock bark extract, 25% tannin, bbls., c.l., works lb. No stocks.
tanks, works lb. No stocks.
Henbane leaves, bls lb. .40 75
Henna leaves, bls lb. .21 23
powd., bbls., bgs lb. .25 27
Heptane, industrial, Bayonne, N. J., tanks gal. 16 —
group 3, tanks gal. 12½ 13¼
Hexalin (see Cyclohexanol).
Hexamethylenetetramine, tech., bbls. 1,000-lb. lots, Perth Amboy or N.Y.C lb. 27½ —
smaller lots, same basis lb. 28½- —
USP, dms., 500 lbs., or more, same basis lb. 38½- —
smaller lots, same basis lb. 39½- —
Diphosphate, USP, bots kilo. 500.00 - —
Hexamine (see Hexamethylene tetramine).
Hexane, industrial, group 3, tanks gal 13½ 14½
Bayonne, N. J., tanks gal 16 —
Hexanol, normal, dms., c.l., works lb 30½ —
l.c.l., works lb 31 —
tanks, works lb 29 —

PAGE 12 IN YOUR PLASKON COATING-RESIN PRODUCT DIRECTORY

PLASKON 3513

MODIFIED MALEIC RESIN

—excellent in finishes used for low bake metal decorating and interior architectural enamels

PLASKON 3513 is a pentaerythritol modified maleic resin. It is designed for use in varnishes made with either hard or soft oils. It is not compatible with nitrocellulose.

PLASKON 3513 with soft oils gives varnishes with good drying characteristics, flexibility, and water resistance combined with the pale color and high gloss characteristic of varnishes containing maleic resins. The resin cold cuts readily to give solutions of good viscosity which may be used to increase the gloss of other varnishes and enamels.

TYPICAL CHARACTERISTICS

Melting Point (°C) (Capillary Method), 115-120	Viscosity (50% Min. Sp.) (G. H.) ..... K-M
Color (50% Min. Sp.) (I. P. & V. R.) ..... Under 10	Solubility (Min. Sp.) ..... Over 1-10
Acid Number 12-16	Specific Gravity 1.10

The Plaskon line of coating resins includes: Pure Alkyds—Modified Alkyds—Ureas—Melamines—Modified Phenolics—Maleics—Ester Gums—Pure Phenolics. *Immediately Available.*

SERVICE

We invite correspondence regarding your need for Plaskon* Coating Resins in the paint, varnish and lacquer industries. All Plaskon facilities and experience are available to you for planning the adaptation of Plaskon materials to your present and future manufacturing and sales plans.

*Reg. U. S. Pat. Off.

PLASKON
TRADE MARK REGISTERED
COATING RESINS

PLASKON DIVISION
LIBBEY • OWENS • FORD GLASS CO.
2143 Sylvan Avenue • Toledo 6, Ohio
Branch Offices: Boston, Chicago, Los Angeles, New York, Rochester, San Francisco.
In Canada: Drew, Brown Ltd., Toronto, Ontario; Montreal, Quebec.

Hexyleneglycol (see Methylpentanediol).
Hexylresorcinol, USP, 100 lbs. up, frt. alld. lb.19.00 - —
works lb.19.00 -27.75
smaller lots, frt. alld lb.20.00 -21.50
works lb.20.00 -33.50
Histidine hydrochloride—laevo, NF, fib. dms., works, 50 kilos. kilo.120.00 - —
1-5 kilos kilo.130.00 - —
Homatropine hydrobromide, USP, bots oz.15.00 -25.00
Hydrochloride, bots oz.20.00 -22.00
Methylbromide, NF oz.16.00 -18.50
Hoofmeal, 17-18% ammonia bulk, c.l., Chicago unit-ton. 7.00 - —
Hops, NF, bls. lb .40 - .45
Horehound, bls. lb. .12 - .15
Hydrangea root, bls. lb. .14 - .17
Hydrastine, bots oz.53.50 -53.80
Hydrochloride, NF oz.29.50 -36.00
Sulphate, bots oz.53.50 -53.80
Hydrastinine, 10-grain bots. bot. 1.95 - —
Hydrastis (see Goldenseal).
Hydrofluramide, dms., fib. cns., works lb. .30 - .40
Hydrogen peroxide, USP, bbls lb. .03¾- .05
27½%, cbys., E. of Miss. or W. coast via Panama Canal lb. .17½- .19½
35%, cbys., same basis lb. .23½- —
dms., c.l., same basis lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks lb. .19¾- —
Hydroquinone, photographic, bbls., dms lb. .90 - —
tech., dms. lb. .70 - —
Hydroxycitronellal, cns lb. 5.35 - 6.50
Hyoscine hydrobromide, bots oz.34.00 -38.00
Hyoscyamine, bots oz.18.00 -20.00
Hydrobromide, bots oz.18.00 -19.50
Sulphate, bots oz.14.00 -19.50
Hypernic extract, cryst., No. 1, bbls., l.c.l lb. .56 - —
No. 2, bbls., l.c.l lb. .48 - —
liquid, No. 1, bbls., l.c.l. lb. .30 - —
No. 2, bbls., l.c.l lb. .25 - —
solid, No. 1, bxs., l.c.l. lb. .44 - —
Hyssop herb, bgs lb. .45 - .50
Leaves, bgs lb .55 - .60

I

Iceland moss, bgs lb. .40 - .50
Ichthammol, NF, bots lb. 2.45 - —
powd., bbls lb. 74½- 85
Indian red (see Red, Indian).
Indigo, nat., chests lb. 2.14 - 2.16
synth., paste, bots lb. .23 - —
Indol, CP, bots lb 17.60 -19.00
Inositol, tins, dlvd lb. 5.00 - —
Insect flowers (see Pyrethrum).
Iodine, crude, kgs., ex whse, Staten Island lb. 1.729 - —
resubl., USP, bots., jars lb. 2.35 - 2.95
Iodochlorohydroxyquinolin, NF, dms lb. 6.40 - —
Iodoform, NF, dms., kgs lb. 4.30 - 4.74
Ionone, alpha, cns lb. 5.15 -12.30
beta, cns. lb. 7.05 - 6.50
Methyl (see M).
IPC, bots., 1-5 lbs lb. 2.68 - 2.72
fib. dms., 100 lbs., ship't point lb. 2.30 - 2.50
50 lbs., ship't point lb. 2.40 - 2.52
10-25 lbs., ship't point lb. 2.50 - 2.54
Ipecac root, bgs lb. 4.25 - 4.50
powd., bgs. lb. 4.65 - 4.90
Irish moss, bleached, prime, bls lb. .18 - .19
Iron acetate, liquor, 28° bbls., c.l., works lb. .09 - —
l.c.l., works lb. .09¾- —
solut., USP IX, cbys lb. .16 - —
dms. lb. 17 - —
Cacodylate, NF, bots lb.13.50 -14.50
Chloride (ferric), anhydr., tech., dms., c.l., works 100 lbs. 5.75 - —
l.c.l., works 100 lbs. 6.50 - 7.50
cryst., tech., c.l., bbls., works 100 lbs. 5.00 - 6.00
l.c.l., bbls., works 100 lbs. 5.50 - 8.00
USP, dms., works lb. .06¼- .08¼
solut., 42 Be, cbys., works, frt. alld. or equald lb. .06 - .06½
Citrate, gran., dms lb. .77 - .79
Gluconate, NF, dms lb. .85 - .95
Glycerophosphate, N.F., powd. lb 4.25 - 4.35
Hypophosphite, NF, dms lb. 2.80 - —
Iodide, bots lb. 3.66 - 3.73
Naphthenate, liq., 6% Fe, dms., frt. alld lb. .21¼- 21¾
Nitrate, red, tech., dms lb. .03½- .04
Oxalate, gran., dms lb. .83 - .85
Phosphate, soluble, NF, gran., cs. lb. .64 - .68
Pyrophosphate, soluble, NF VII, gran., dms lb. .69 - .72
Reduced (see Iron by hydrogen).
Resinate, 7.4% Fe, dms., frt. alld. lb. .24 - —
Stearate, dms., c.l lb. .34 - —
ton lots lb. .35 - —
less ton lots lb. .36 - —
Sulphate (ferric), anhyd., bgs., c.l., works ton.52.50 - —
l.c.l., works ton.57.50 - —
partially hydrated, bgs., c.l., works ton.28.50 - —
l.c.l., works ton.29.50 - —
(ferrous), tech. (see Copperas).
USP, cryst., bbls., dms lb. .09½- .10
Iron by hydrogen, kgs lb. .80 - .85
Iron-ammonium citrate, green, NF, gran., dms lb. .55 - .58
brown, USP, gran., dms lb. .55 - .58
Oxalate, dms lb. .25½- .28½
Iron-potassium oxalate fine gran., dms lb. .30½- .33½
Iron-sodium oxalate, fine gran., dms lb. .25½- .28½
Isobornyl acetate, cns lb. .97 - 1.10
Isobutyl acetate, cns lb. .82 - 1.25
Methacrylate, M-5, dms., works lb. .60 - —
cns., works lb. .63 - .67
P-5, cns., works lb. .60 - —
Propionate, cns lb. No prices.
Thiocyanocetate, dms., c.l., works. gal. 3.85 - —
l.c.l., works gal. 3.85 - 4.05
tanks, works gal. 4.23 - —
Isobutyraldehyde, dms., works lb. .50 - .53
Isoeugenol, cns. lb. 3.10 - 3.40
Isoleucine, dextro-laevo, with allo-isoleucine, dms., works lb.28.00 -35.00
Isopentane, dms., works lb. .45 - .55
Isophorone, dms., c.l., works lb. .23½- —
l.c.l., works lb. .24 - —
tanks, works lb. .22 - —
Isopropanol (see Acohol, IsopropyD.
Isopropyl acetate, dms., c.l., frt. alld. E. of Rockies lb. 11½- —
l.c.l., same basis lb. 12 - —
tanks, same basis lb. .10 - —
Alcohol (see Alcohol, IsopropyD.
Benzene (see Cumene).
Ether (see Ether, IsopropyD.
Phenylcarbamate (see IPC).
Isopropylamine, dms., works, c.s. lb 24 - —
l.c.l., works lb. .25 - —

J

Jaborandi leaves, bls lb. .15 - .20
Jalap root, NF, bls lb. .40 - .45
powd., bbls., bxs lb. .45 - .55
Resin, powd., bxs lb. 7.15 - 7.25
Juniper berries, bgs. lb .09 - .18
Tar, USP, dms lb .40 - .65

K

Kamala, powd., cns lb. .45 - .48
Kaolin (see China clay).
Kava kava root, bls lb. .25 - .30
Kerosene, at refinery: Ark., 42-44 specific gravity, w.w., tanks gal. .0875- —
Bayonne, 41-43 s.g., w.w., tanks, gal. .093 - —
California, 40-43, s.g., w.w., tanks, gal. .121 - .156
Gulf ports, 41-43, s.g., w.w., tanks, gal. .09 - .0925
Okla.-Tex., 41-43, s.g., w.w., tanks, gal. .08625 -.08875
Penn., 45, s.g., w.w., tanks gal. .11 - .114
47, s.g., w.w., tanks gal. .1125- —
Kola nuts, bgs lb. .08 - .10
Kyanite, imp., low iron content, 10-mesh, whse ton.85.00 -95.00
calcined, grain, 10-mesh, whse ton.95.00 -105.00

L

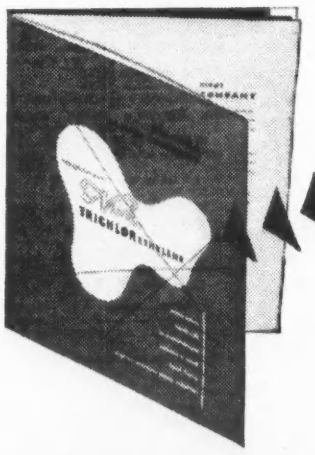
Lady slipper root, bls lb. 1.35 - 1.85
Lanolin, anhyd., cosmetic, dms., works lb. .28 - .30
pharmaceutical, USP, dms., works lb. .26 - .28
hydrous lb. .24 - .26
Lard, cash, trcs., Chicago lb. .12½- .12¾
Larkspur seed bgs lb. .35 - .40
Laurel berries, bls lb. .25 - .26
Leaves, Portuguese, bls lb. .08 - .08½
Greek, bls lb. .07 - .08
Turkish, bls., recleaned lb. .16 - .16½
Lavender flowers, medium, bls lb. .55 - .60
ordinary, bls lb. .20 - .21
select, bls lb. .60 - .65
Lead acetate, white, crystals, dms., lb. .23¾- —
gran., bbls. lb. .24½- —
powd., bbls. lb. .24½- —
USP, cryst., dms lb. .27 - .31
gran., powd., dms lb. .27¾- .31¾
Arsenate, dealers, basic powder, 3-lb. bgs., or larger, c.l., frt. alld lb. .30 - —
l.c.l., frt. alld lb. .31 - —
1-lb. bgs., c.l., frt. alld lb. .38 - .41½
l.c.l., frt. alld lb. .39 - .42½
Lead arsenate prices are works or whse. basis frt. alld. on 96 lbs. or more to dest. East.
Blue basic sulphate, bbls., c.l., ship't point, f.t. alld lb. .15¾- —
l.c.l., works lb. .16¾- —
Carbonate (see Lead, white).
Chloride, fib. dms. lb. .49 - —
Iodide, NF V, jars lb. 2.94 - 3.13
Linoleate, liq., 13% Pb, dms., frt. alld lb. .38¼- —
Metal, pigs, prime, N. Y. lb. .15 - —
E. St. Louis lb. .1480- —
Metallic paste, dms., 10,000-40,000 lbs., works lb. .29½- —
2,000-10,000 lbs., same basis lb. .30 - —
100 to 2,000 lbs., same basis lb. .30½- —
Naphthenate, liquid, 16% Pb, dms., dlvd lb. .15¾- .16¼
24% Pb, dms., dlvd lb. .21¾- .22¼
30% Pb, dms., dlvd lb. .26½- .27
Lead nitrate, bbls., c.l. lb. .20¼- —
l.c.l. lb. .20½- —
Oleate, bbls. lb. .29½- —
Peroxide, powd., tech., bbls lb. .41 - .43
Phthalate, dibasic, dms., works lb. .38¼- —
Red, 95%, Pb_3O_4, or less, bbls., c.l., ship't point, frt. alld. lb. .17¾- —
l.c.l., same basis lb. .18¾- —
97% Pb_3O_4, bbls., c.l., same basis, lb. .18 - —
l.c.l., same basis lb. .19 - —
98%, Pb_3O_4, bbls., c.l., same basis lb. .18¼- —
l.c.l., same basis lb. .19¼- —
Resinate, fused, 19% Pb, dms., dlvd lb. .20½- —
Salicylate, normal, dms., works lb. .41¼- —
Silicate, bgs., l.c.l., ship't pt., frt. alld lb. .1710- .1775
Stearate, dibasic, dms., works lb. .51¾- —
precip., bbls., c.l. lb. .36 - —
ton lots lb. .37 - —
less ton lots lb. .38 - —
Sulphate (see Lead, blue; Lead, white, basic sulphate).
tribasic, dms., works lb. .25¼- —
Tallate, liquid, 16% Pb, dms lb. .14¼- .14¾
solid, 30% Pb, dms lb. .22¼- .22¾
White, basic carbonate, bgs., c.l., ship't point, frt. alld lb. .17 - —
l.c.l., same basis lb. .18 - —
basic silicate, bgs., c.l., ship't point, frt. alld lb. .16 - .19¼
l.c.l., same basis lb. .16½- .20¼
basic sulphate, bgs., c.l., ship't point, frt. alld lb. .15¾- —
l.c.l., same basis lb. .16¾- —

Introducing
NIAGARA ALKALI COMPANY

a new and dependable source of supply for TRICHLORethylene

Niagara Alkali Company, widely recognized as one of America's pioneer chemical producers, has now entered into the production of TRICHLORethylene. You are thus assured of a new and highly dependable source of supply for this important degreasing and metal cleaning agent.

NIALK TRICHLORethylene is produced in a new plant recently completed at Niagara Falls, N. Y. This new plant, which readily permits increased production facilities, is completely modern in every respect and utilizes control equipment that will satisfy the most exacting demands for a product of high quality and superior stability.



all you want to know

about NIALK TRICHLORethylene and the company that produces it is contained in a new booklet recently issued by Niagara. A copy will be sent to you immediately on receipt of this coupon:

Niagara Alkali Company, Dept. D.
60 East 42nd Street, New York 17, N. Y.

Gentlemen: Please send me a copy of your booklet on NIALK TRICHLORethylene.

Name_____
Position_____
Firm_____
Street_____
City_____ State_____

NIAGARA ALKALI COMPANY
60 East 42nd Street, New York 17, New York

Lecithin—Nitroethane

Lecithin, comble, tech., bleached, dms., non-ret., c.l., works lb. .16 - —
l.c.l., same basis lb. .16½- —
unbleached, c.l., same basis lb. .15 - —
l.c.l., same basis lb. .17½- —
Lemon peel, bls lb. .25 - .30
Leucine, dextro-laevo, dms., works lb. 28.00 -35.00
Licorice extract, mass, cns lb. .25 - .30
powd., bbls. lb. .40 - .42
Root, bls lb. .08 - .09
5-lb. bundles, cs lb. .40 - .45
powd., bbls lb. .11 - .12
Lignin extract, tanning grade, bgs., c.l., works lb. .04¾- —
Lime, agricultural, bgs., works ton. 13.00 -13.50
Chemical (quicklime), lump, pebble, bulk, Adams, Mass ton. 9.00 - —
Annville, Pa ton. 10.00 - —
Bellefonte, Pa ton. 10.00 - —
Buffalo, N. Y. ton. 10.00 - —
Carey, Ohio ton. 7.00 - —
Cedar Hallow, Pa ton. 9.50 - —
Farnams, Mass. ton. 9.00 - —
Gibsonburg, Ohio ton. 8.50 - —
Hannibal, Mo. ton. 6.50 - —
Keystone, Ala ton. 9.75 - —
Knoxville, Tenn ton. 9.75 - —
Limedale, Ark ton. 9.00 - —
Longview, Ala ton. 9.75 - —
Martinsburg, W. Va ton. 10.00 - —
Menominee, Mich ton. 8.00 - —
Mitchell, Ind ton. 7.50 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 6.50 - —
Sherwood, Tenn ton. 10.00 - —
Sherwood, Wis. ton. 8.50 - —
Woodville, Ohio ton. 9.50 - —
York, Pa. ton. 10.00 - —
Hydrated, paper bgs., Adams, Mass. ton. 11.50 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Buffalo, N. Y ton. 13.50 - —
Carey, Ohio ton. 9.00 - —
Cedar Hollow, Pa ton. 11.50 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 11.50 - —
Gibsonburg, Ohio ton. 9.50 - —
Hannibal, Mo ton. 9.50 - —
Keystone, Ala ton. 13.00 - —
Knoxville, Tenn ton. 12.25 - —
Limedale, Ark ton. 10.50 - —
Longview, Ala ton. 13.00 - —
Manistique, Mich ton. 9.50 - —
Marblehead, Ohio. ton. 10.50 - —
Mitchell, Ind ton. 10.00 - —
Petoskey, Mich ton. 10.00 - —
Port Island, Mich ton. 9.00 - —
Rapid City, S. Dak. ton. 12.00 - —
Rockland, Maine ton. 9.00 - —
Scioto, Ohio ton. 8.00 - —
Sherwood, Tenn ton. 13.00 - —
Sherwood, Wis. ton. 10.00 - —
Springfield, Mo. ton. 9.00 - —
Woodyville, Ohio ton. 8.50 - —
York, Pa ton. 13.50 - —
Spray, paper bgs., Adams, Mass. ton. 11.70 - —
Annville, Pa ton. 13.50 - —
Bellefonte, Pa ton. 13.50 - —
Carey, Ohio ton. 11.00 - —
Engle, W. Va ton. 13.00 - —
Farnams, Mass. ton. 9.50 - —
Gibsonburg, Ohio ton. 10.00 - —
Marblehead, Ohio ton. 10.00 - —
Rockland, Me. ton. 10.00 - —
Scioto, Ohio ton. 10.00 - —
Woodville, Ohio ton. 10.00 - —
York, Pa ton. 13.50 - —

Lime salts (see Calcium).

Lime-ammonia-nitrogen, 20.5% N (see Ammonium nitrate-limestone).

Limestone, grd., bgs., works ton. 3.50 - 4.00
Linalool, ex bois de rose lb. 4.50 - 6.85
ex lignaloe wood lb. 6.50 - 7.00
Linalyl acetate, ex bois de rose, bots lb. 4.35 - 7.20
ex petitgrain, bots lb. 4.25 - 6.00
Linden flowers with leaves, bls lb. .25 - .27
without leaves, bls lb. .24 - .26
Linseed meal, 34% bulk, Midwest mills ton. 56.50 - —
Litharge, com'l, powd., bbls., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., same basis lb. .17¾- —
Lithium benzoate, dms lb. 1.65 - —
Bromide, NF, bbls., works, frt. equald lb. 1.90 - —
Carbonate, NF, bbls., kgs lb. 1.10 - 1.15
Chloride, dms. lb. 1.00 - —
Citrate, NF, bbls., dms., kgs lb. 1.25 - —
Fluoride, bbls. lb. 1.95 - —
Hydroxide, dms. lb. 1.10 - —
Salicylate, dms. lb. 1.62 - 1.70
Lithopone, ordinary, bgs., c.l., ship't point lb. .06¼- —
l.c.l., same basis lb. .06½- .06⅝
Titanated (high-strength), bgs., c.l. lb. .08¼- —
smaller lots lb. .08½- —
Lithopone prices, Pacific Coast, ¾c. per lb higher.

Liverwort leaves, bls. lb. .85 - .90
Lobelia herb, bls lb. .55 - .60
leaves, NF lb. .85 - 1.00
Lobeline sulphate, bots., works oz. 25.50 -38.00
Logwood extract, crystals, No. 1, bbls., l.c.l. lb. .38½- —
No. 2, bbls., l.c.l., lb. .36½- —
liquid, No. 1, bbls., l.c.l. lb. .18½- —
No. 2, bbls., l.c.l. lb. .17½- —
No. 3, bbls., l.c.l. lb. .17 - —
No. 4, bbls., l.c.l. lb. .16½- —
solid, No. 1, bxs., l.c.l. lb. .33 - —
No. 2, bxs., l.c.l. lb. .31 - —
No. 3, bxs., l.c.l. lb. .28½- —
No. 4, bxs., l.c.l. lb. .28 - —
No. 5, bxs., l.c.l. lb. .26½- —
No. 6, bxs., l.c.l. lb. 44½- .49¼
Lovage root, imp., bls lb. 1.20 Nom.
Lupulin, tins lb. 1.95 - 2.00
Lycopodium, cs lb. 1.90 - 2.50
Lysine hydrochloride, dextro-laevo. kilo. 145.00 -149.00

M

Mace, Amboyna, bls lb. .70 - .71
Banda, No. 1, bls lb. .90 - .91
Siauw, No. 1, bls lb. .75 - .76
West Indian, bls lb. .72 - .73
broken, bls. lb. .65 - .66
Madder, Dutch, bgs lb. .29 - .32
Magnesia, calcined, tech., ctns., works lb. .32 - —
synth., rubber grade, ctns., works lb. .29 - —
USP, light ctns lb. .34 - —
heavy, bbls lb. .36 - —
Magnesium arsenate, bgs., cans, works lb. .20 - .30
Bromide, jars lb. .90 - 1.00
Carbonate, tech., bgs., c.l., frt. equald lb. .09 - —
l.c.l., frt. alld. lb. .10 - —
bbls., c.l., frt. equald lb. .10¼- —
l.c.l., frt. alld. lb. .11¼- —
kgs., c.l., frt. equald lb. .11½- —
l.c.l., frt. alld. lb. .12½- —
USP, bgs., c.l., frt. equald lb. .10¾- —
l.c.l., frt. alld. lb. .11¾- —
bbls., c.l., frt. equald lb. .11¼- —
l.c.l., frt. alld. lb. .12¼- —
kgs., c.l., frt. equald lb. .12½- —
l.c.l., frt. alld. lb. .13½- —

Magnesium carbonate is quoted frt. alld. to N. J. except to Atlantic, Burlington, Cape May, Cumberland, Glostershire, Ocean and Salem counties, and to Phila. county, Pa. Frt. equald. with N. Y. C. on all other destinations.

Chloride, anhyd., bbls., works lb. .12¼- —
flake, bbls., c.l., works ton. 40.00 - —
l.c.l., works ton. 44.00 -46.00
Gluconate, dms., cns lb. 2.80 - 2.94
Glycerophosphate, dms., works lb. 4.85 - —
Hydroxide, NF, medicinal, bbls., dms., kgs lb. .29 - .30
Hypophosphite, dms. lb. 1.60 - —
Laurate, bbls lb. .46 - .47
Metal, 98.8% ingots, cs., works lb. .20½- —
sticks, cs., works lb. .34 - .38
Oleate, precip., bbls lb. .40½- —
Oxide (see Magnesia, calcined).
Peroxide, 15%, dms., works lb 1.00 - 1.05
Phosphate, tribasic, NF, bbls. lb. .75 - —
Silicate (see Talc).
Silicofluoride, bbls., works lb. .09 - .09½
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate (see Epsom salt).
Trisilicate, USP, dms., 1,000-lb. lots lb. .43 - —
100-lb. lots lb. .50 - —
Magnesite, chemical grade, bgs., c.l., mines, Calif ton. 67.50 - —
dead-burnt, bulk, c.l., Chewalah, Wash ton. 30.50 - —
Maleic anhydride, dms., c.l. lb. .20 - —
l.c.l. lb. .31 - —
Malva flowers, black, bls lb. 1.45 - 1.75
Blue, bls. lb. .95 - 1.10
Leaves, bls lb. .40 - .42
Manaca root, bls lb. .49 - .50
Mandrake root, bls lb. .46 - .55
Manganese acetate, bbls. lb. .32 - —
Arsenate, bgs. lb. .12 - .12½
Borate, tech., bbls lb. .23 - —
Carbonate, bbls lb. .19 - —
Chloride, anhyd., dms., works lb. .24 - —
Dioxide, African, battery, 84-87%, bbls., 28-40 tons, works. ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
burlap bgs., c.l., works ton. 71.75 - —
l.c.l., works ton. 74.75 -79.79
paper bgs., c.l., works ton. 70.00 - —
l.c.l., works ton. 73.00 - —
85-90%, bbls., c.l., works ton. 74.00 - —
smaller lots, works ton. 77.00 -82.00
Gluconate, dms., cns lb. 3.00 - 3.25
Glycerophosphate, NF, fib. dms lb. 4.15 - 4.25
Hydrate, bbls., dlvd lb. .26 - —
Hypophosphite, NF, dms lb. 2.00 - —
Linoleate, liquid, 4.35% Mn, dms. lb. .39¼- —
solid, precip., 8.2% Mn, bbls., lb. .41½- —
Metal, cs, dlvd. East lb. .30 - .32
Naphthenate, liquid, 6% Mn, dms., frt. allowed lb. .22¾ - .23¼
Oleate, fused, bbls lb. .44¾- —
Resinate, fused, 3½% Mn, dms lb. .20 - —
precip., dms. lb. .22½- —
Stearate, ctns., c.l. lb. .35 - —
smaller lots lb. .36 - .37
Sulphate, fertilizer grade 65%, bgs., c.l., dlvd. S. E. ton. 60.00 - —
l.c.l., dlvd. S. E. ton. 67.00 - —
feed grade, 80%, bgs., dlvd. S. E. lb. .05¼- .07
75%, bgs, c.l., dlvd. S. E. ton. 68.50 - —
l.c.l., dlvd. S. E. ton. 75.50 - —
Tallate, liquid, 4% Mn, dms lb. No prices.
solid, 8% Mn, dms lb. No prices.
Mangrove bark, E. Africa, 38% tannin, c.l., ex dock ton. 72.00 Nom.
Manna, flake, large, cs lb. 1.25 - 1.35
small, cs lb. .85 - 1.00
Mannitol, com'l, dms., works lb. .40 - .43
reagent, 50-lb. dms., works lb. .85 —
Marjoram, Argentine, bls lb. .14 Nom.
Chilean, bls. lb. .17½- .18
French, bls lb. .34 - .34½
Matico leaves, bls lb. .25 - .28
Menadione, USP, bots., works gram. .10 - —
Menthol, natural, USP, Brazilian lb. 9.25 - 9.35
synthetic, tech., cns lb. 6.00 - 6.40
USP, laevo, cns lb. 8.60 - 9.25
Menthyl salicylate, tins lb. 4.25 - 4.35
Mercaptobenzo thiazole, 50-lb. bgs., 150-lb. containers, works, frt. alld., ton lots lb. .27 - —
less ton lots, same basis lb. .29 - —
Mercury, ammoniated (see White precipitate).
Bichloride (see Corrosive sublimate).
Bisulphate, dms lb. 2.13 - 2.15
Chloride (see Calomel).
Cyanide, NF, cryst., powd lb. 3.27 - 3.32
Iodide, red, NF, dms lb. 4.32 - —
Yellow, NF, fib. dms lb. 4.42 - —
Metal (see Quicksilver).
Oxide, red, NF (see Red precipitate), yellow, tech. (see Yellow, mercury oxide). NF, fib. dms lb. 2.44 - 2.46
Mesityl oxide, dms., c.l., dlvd lb. .13 - —
l.c.l., dlvd lb. .13½- —
tanks, dlvd lb. .11½- —
Metaldehyde, dms., works lb. .78 - —
Metachloranilin, dms., works lb. .75 - —
Metacresol, 98%, dms., c.l., works lb. .55 - .60
l.c.l. lb. .56 - —
80-82%, dms., works lb. .35 - —
70-75%, dms., works lb. .30 - —
Metaparaisopropylphenol, dms., c.l. lb. .21 - —
l.c.l. lb. .22 - —
tanks lb. .20 - —
Metanitroparatoluidin, bbls lb. 1.28 - 1.33
Metaphenylenediamine, kgs lb. .76 - —
Metatoluidine, bbls., works lb. .80 - —
Metatolylenediamine, kgs lb. .85 - —
Methanol, natural, dms., c.l., frt. alld gal. .58 - —
l.c.l., frt. alld gal. .61 - —
tanks, frt. alld gal. .50 - —
Prices on natural methanol W. of Miss. 3c. higher.
synthetic, eastern production, zone 1, dms., c.l., frt. alld. gal. .38 - —
l.c.l., frt. alld gal. .41 - —
tanks, frt. alld gal. .26 - —
zone 2, dms., l.c.l., frt. alld gal. .45 - —
l.c.l., ex whse gal. .47½- —
tanks, frt. alld gal. .31 - —

Synthetic methanol Zones are: Zones 1 is all continental U. S., E. of eastern boundaries of Ariz., Idaho, Mont., and Utah. Zone 2 is remainder of the U. S., west of above state boundaries, comprising Ariz., Calif., Idaho, Mont., Nev., Ore., Utah and Wash.

Methanol, synthetic, Texas production, Midwest and Gulf states, dms., c.l., works, frt. alld gal. .38 - —
tanks, frt. alld gal. .26 - —
West of Rockies, dms., c.l., frt. alld gal. .45 - —
tanks, frt. alld gal. .31 - —
Methenamine (see Hexamethylenetetramine).
Methionine, dextro-laevo, fib. dms., works, 50-lb. or more lb. 7.25 - —
1 to 49-lb. lots, works lb. 8.75 - —
Methoxychlor, dealers, dms., cs., works lb. .65 - —
Methyl abietate, non-ret. dms., c.l., dlvd., zone 1 lb. .17 - —
l.c.l., same basis lb. .17½- —
hydrogenated, non-ret. dms., c.l., dlvd., zone 1 lb. .17¼- —
l.c.l., same basis lb. .17¾- —

Zone 1 includes New England and Middle Atlantic states, Va., W. Va., N. C., Ohio., Ky., Mich., Ind., Ill., Wis., St. Paul and Minneapolis, Minn., St. Louis, Mo., Miss., Ala., Ga., Fla., S. C. and Tenn.

Acetate, dms., c.l., dlvd., N. Y. lb. .08 - —
l.c.l., same basis lb. .08½- —
Acetoacetate, dms., c.l., works lb. .49½- —
l.c.l., same basis lb. .50 - —
tanks, works lb. .48 - —

Methyl acetoacetate prices frt. alld. W., ½c. higher.

Acetone, natural, group A, dms., extra, c.l., E. of Miss., frt. alld gal. .50 - .60
l.c.l., same basis gal. .57 - .67

Natural methyl acetone group A prices W. of Miss. 3c. per gal. higher.

Group B, dms., incl., E. Miss., frt. alld., any quantity gal. .50 - .60
synthetic, dms., c.l., works, frt. alld. E gal. .61½- —
frt. alld. W gal. .64 - —
l.c.l., works, frt. alld. E gal. .65 - —
frt. alld. W gal. .68½- —
tanks, works, frt. alld. E gal. .52 - —
frt. alld. W gal. .55½- —

Methyl acetone, synth., East territory, is all States East of and including Colo., Mont., N. Mex. and Wyo. West territory, all States West of those four.

Alcohol (see Methanol).
Anthranilate, 500 lbs. or more lb. 2.10 - —
smaller lots lb. 2.20 - 3.00
Benzoate, cns. lb. .55 - 1.20
Bromide, dealers, cns lb. .69 - .71
cyls. lb. .60 - .78
Chloride, indust., cyl., works lb. .17 - —
tanks, multi-unit, works lb. .13 - —
single-unit, works lb. .10½- —
refrigerator mfrs., cyls., dlvd. lb. .34 - —
other consumers or service men, cyls., dlvd lb. .42 - —
Cinnamate, cns. lb. 1.48 - 1.65
Formate, dms. lb. .89 - —
Heptin carbonate, bots lb. 36.00 -58.00
Iodide, bots., cbys lb. 3.00 - 4.85
Lactate, dms., l.c.l., works lb. .35 - —
Methacrylate, M-1, dms., works lb. .45 - —
cns, works lb. .48 - .58
P-1, cns., works lb. .60 - —
Parahydroxybenzoate, USP, bots. lb. 2.10 - 2.20
fib. dms. lb. 1.90 - 2.00
Roseanilin chloride, USP, bots lb. 5.15 - 5.30
Salicylate, USP, dms., 500 lbs. lb. .40 - —
25-50 lbs. lb. .45 - —
Testerone, USP, 100 gms gm. 3.75 - —
Methylal, refined, 95%, dms., c.l. lb. .06 - —
l.c.l., works lb. .07 - —
tanks, works lb. .04½- —
Methylamyl acetate, dms., c.l., dlvd lb. .14½- —
l.c.l., dlvd lb. .15 - —
tanks, dlvd lb. .13 - —
Ketone, dms., works lb. .70 - —
Methylcellulose, special vis., (4,000 cps.), fib. ctns., c.l., frt. alld. lb. .68 - —
2,000 lbs. and more, same basis lb. .70 - —
smaller lots, frt. alld. on 100 lbs. lb. .75 - .80
standard vis. (15-1,500 cps.), fib. ctns., c.l., frt. allowed lb. .62 - —
2,000 lbs. and more, same basis lb. .63 - —
smaller lots, frt. allowed on 100 lbs. lb. .68 - .73
Methylene blue, USP, 100-lb. lots, kgs., frt. equald lb. 2.87 - —
smaller lots, kgs., same basis lb. 3.02 - 3.23
Chloride, indust., dms., c.l., dlvd. E lb. .12½- —
l.c.l., dlvd. E lb. .13½- —
tanks, dlvd. E lb. .11½- —
Methylethyl ketone, dms., dlvd lb. .11½- —
l.c.l., dlvd lb. .12 - —
tanks, dlvd lb. .10 - —
Methylhexyl ketone, tech., dms., works lb. .60 - —
Methylionone, A, cns lb. 6.55 - 8.80
D, cns lb. 7.50 - 9.55
prime, cns lb. 4.55 - 6.40
Methylisobutyl carbinol (see Carbinol, methylisobutyl).
Ketone, dms., c.l., dlvd lb. .14 - —
l.c.l., dlvd. lb. .14½- —
tanks, dlvd lb. .12½- —
Methylnaphthyl ketone, cns lb. 3.00 - 3.75
Methylparaben (see Methylparahydroxybenzoate).
Methylpentanediol, dms., works, dlvd. lb. .16½- —
l.c.l., works, dlvd lb. .17 - —
tanks, works, dlvd lb. .15 - —
Methylthionine chloride (see Methylene blue).
Mica, dry-grd., paint, plastic, 100 mesh, bgs., c.l., works lb. .03⅞- —
roofing, 20 to 80 mesh, works lb. .03⅜- —
wet-grd., biotite, bgs., c.l., works, frt. alld. E lb. .05½- —
l.c.l., ex whse. or frt. alld. E lb. .06¼- —
extra fine, bgs., c.l., works, frt. allowed E lb. .05½- —
l.c.l., ex whse. or frt. allowed E lb. .06¼- —
paint or lacq., bgs., c.l., works, frt. allowed E lb. .07 - —
l.c.l., ex whse. or frt. allowed E lb. .07¾- —
rubber, bgs., c.l., works, frt. allowed E lb. .06¾- —
l.c.l., ex whse. or frt. allowed E lb. .07½- —
wallpaper, bgs., c.l., works, frt. allowed E lb. .07 - —
l.c.l., ex whse. or frt. allowed E lb. .07¾- —
white, extra fine, bgs., c.l., works, frt. allowed E lb. .07 - —
l.c.l., ex whse. or frt. allowed E lb. .07¾- —
Mica, wet-grd., W. of Miss. R., ½c. higher.) W. of Rockies, 1c. higher.
Milk powder, skimmed roller, bbls., c.l. lb. .10½- .12¾
spray, bbls., c.l. lb. .12½- .13¾
Whole, roller, bbls., c.l. lb. .28 - .34¾
spray, bbls., c.l. lb. .30 - .35¾
Sugar, crude, bgs., c.l., works lb. .17 - —
edible, bbls., works, 30,000-lb. lots lb. .24 - —
2,000-lb. lots lb. 24¾- —
200-1,800-lb. lots lb. .25¼- —
Milk sugar, USP, bbls., works, 30,000-lb. lots lb. .26 - —
2,000-lb. lots lb. .26¾- —
200-1,800-lb. lots lb. .27¼- —
Molasses, blackstrap, tanks gal. .08 - .08¼
New Orleans gal. .06½- —
Molybdate orange (see Orange molybdate).
Mineral spirits (see Petroleum, mineral spirits).
Molybdenum metal, 90% Mo., powd., kgs lb. 2.60 - 3.00
pure, kgs., works, basis Mo. content lb. .95 - —
technical, kgs., works, basis Mo. content lb. .80 - —
Monochlorobenzene, dms., c.l., works, frt. allowed lb. .07 - .08
l.c.l., works lb. .08 - .10
tanks, works, frt. equald lb. .06 - .06½
Monoethanolamine, dms., c.l., frt. allowed, E. lb. .27 - —
l.c.l., same basis lb. .28 - —
tanks, same basis lb. .25½- —
Monoethylamine, dms., c.l., works, basis 100% lb. .22 - —
l.c.l., same basis lb. .23 - —
tanks, same basis lb. .20 - —
Monomethylamine, 25%-40%, dms., c.l., same basis lb. .35 - —
l.c.l., same basis lb. .36 - —
tanks, same basis lb. .31 - —
Monomethylanilin, dms., works lb. .70 - —
Monononylnaphthalene, c.l., oms., works lb. .14 - —
l.c.l., dms., works lb. .15 - —
tanks lb. .13 - —
Monosodium glutamate (see Sodium glutamate, monobasic).
Phosphate (see Sodium phosphate, monobasic).
Monotertiarybutylmetacresol, dms., c.l., works lb. .50 - —
l.c.l., works lb. .51 - —
tanks, works lb. .49 - —
Morphine, cns. oz. 12.35 -12.40
Acetate, cns. oz. 9.85 - 9.90
Hydrobromide, cns. oz. 9.80 - —
Hydrochloride, NF, cns oz. 9.90 - —
Sulphate, USP, cns oz. 9.90 - —
Morpholine, dms., c.l., works lb. .59½- —
l.c.l., works lb. .60 - —
tanks, works lb. .58 - —
smaller containers, works lb. .75 - —
Mountain ash berries, bgs lb. .75 - .76
Mullein flowers, cs lb. 1.25 - 1.30
Leaves, bls. lb. .12 - .13
Musk, nat., Tonquin, grains, bots. oz. 25.00 -30.00
synthetic—Ambrette, 100 lbs lb. 5.40 - —
25 lbs. lb. 5.50 - —
5 lbs lb. 5.65 - —
Ketone, 100 lbs lb. 4.95 - —
25 lbs. lb. 5.05 - —
5 lbs lb. 5.20 - —
Xylol, 100 lbs lb. 1.60 - —
25 lbs. lb. 1.70 - —
5 lbs lb. 1.85 - —
Musk root, bls lb. No prices.
Mustard seed, Calif., brown lb. .22 - .23
Danish, bgs. lb. .15 - .15½
Dutch, yellow, bgs lb. .15 - .15½
English, yellow, bgs lb. .12 - .12½
Montana, brown, bgs., source lb. .06¼- .06½
Oriental, bgs., source lb. .05½- .05⅝
yellow, bgs., source lb. .10½- .11
Washington, yellow, source, bgs lb. .11 - .11¼
Myrobalans, J1, assorted, ex dock ton. 61.00 -62.00
J2, ex dock ton. 53.00 -54.00

N

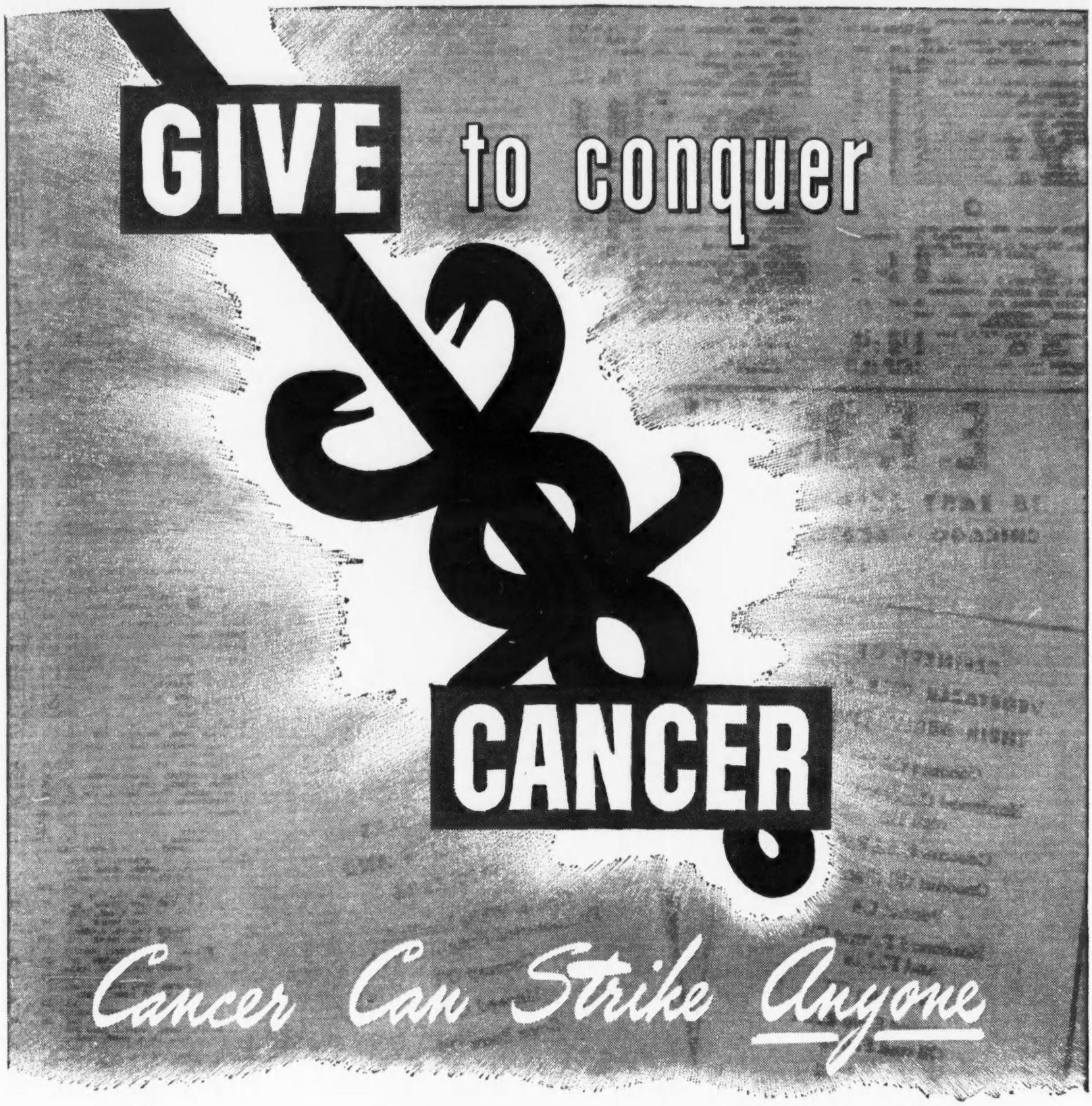
Naphtha, painters (see Petroleum naphtha, V. M. & P.).
Solvent (see S).
Naphthalene, dom., crude, 74°, bgs., bbls., frt. equald lb. .06⅝- —
tanks, same basis lb. .06 - —
78°, bgs., c.l., works, frt. equald lb. .07 - —
l.c.l., same basis lb. .07¼- .07¼
bbls., c.l., same basis lb. .071 - —
l.c.l., same basis lb. .0735- —
dms., c.l., same basis lb. .07½- —
l.c.l., same basis lb. .08 - —
tanks, same basis lb. .065 - —
refined, industrial, bbls., c.l., frt. equald lb. .12 - —
bgs., c.l., same basis lb. .11½- —
tanks, same basis lb. .11 - —
balls, flakes, wholesalers, jobbers, 50-lb. cs., c.l., same basis lb. .14 - —
bbls., c.l., same basis, lb. .13¾- —
1-lb. pkgs., c.l., same basis lb. .15¼- —
Neocinchophen, USP, dms., works lb. 7.00 - 7.10
Nepheline syenite, glass, 24 mesh, bulk, Rochester, N. Y ton. 14.25 - —
pottery, 200 mesh, bulk, Rochester, N. Y ton. 18.25 - —

Nepheline syenite in bgs., $3 per ton higher than bulk.

Nerolin, cns lb. 2.00 - 2.25
Niacin (see Acid, nicotinic).
Niacinamide (see Nicotinamide).
Nickel acetate, bbls., dlvd lb. .50 - —
Carbonate, bbls., dlvd lb. .48 - .50
Chloride, bbls., dlvd lb. .23 - —
Cyanide, bots., dms lb. 1.75 - 2.00
Formate, bbls., ton lots, dlvd lb. .43½- —
Metal, electro cathodes, cs lb. .40 - —
Nitrate, bbls., works lb. .24½- .25⅛
Oxide, black, bbls lb. .42 - —
Sulphate, bgs., c.l., dlvd lb. .18 - —
l.c.l., dlvd lb. .18½- —
Nicotinamide, USP, dms., works kilo. 11.00 -11.30
Hydrochloride, dms., works kilo. 10.50 -10.80
Nicotine sulphate, 40%, 56 lb. dms., dealers, frt. allowed, over 50 lbs. dm. 53.65 - —
tins, 10 lbs., dealers, frt. allowed, on cases of 6 tin. 11.80 - —
Nikethamide, bots., cbys lb. 5.50 - 6.60
Nitercake, bulk, works ton. No stocks.
Nitrobenzene, dbl. dist., dms., c.l lb. .09 - .09¼
l.c.l. lb. .10 - .11
tanks lb. .08 - .08½
Nitrocellulose, ester soluble, 30-35 cps., ¼, ½, 5-6, 15-20, 30-40, 60-80 and 125-175 secs., bbls., c.l., works, dry weight lb. .26 - —
l.c.l., same basis lb. .29 - .31
18-25 cps., bbls., c.l., same basis lb. .30 - —
l.c.l., same basis lb. .31 - .33
250-400 secs. and 600-1,000 secs., bbls., c.l., same basis lb. .32 - —
l.c.l., same basis lb. .33 - .35
spirit-soluble, 30-35 cps., ¼, ½, 5-6 and 40-50 secs., bbls., c.l., same basis lb. .33 - —
l.c.l., same basis lb. .34 - .36

Denatured alcohol used in the manufacture of nitrocellulose is charged extra. Drums extra, but returnable.

Nitroethane, dms., works lb. .30 - —



JUST MAIL IT TO "CANCER"

Give as generously as you can—today. Just mail your check or money order in an envelope addressed to "Cancer". Your local post office will deliver it to the American Cancer Society office in your state.

Here's my $.....to help conquer cancer

NAME.....

ADDRESS.....

CITY.....ZONE.....STATE.....

Give and keep giving to help science defeat the disease that strikes, on the average, one out of every two homes in America. Say to yourself...*here is life-giving money to help those stricken by Cancer to live again.*

EVERY NICKLE AND DIME I give helps support an educational program teaching new thousands how to recognize Cancer and what to do about it.

EVERY QUARTER I give helps set up and equip new research laboratories where scientists are dedicating their lives to find the cause—and cure of Cancer.

EVERY DOLLAR I send helps buy new equipment, helps establish new facilities for treating and curing Cancer, both still pitifully scarce in this country... Guard those you love! Give to conquer Cancer!

AMERICAN CANCER SOCIETY

Nitrogen Solution—Oil, Orange

Nitrogen solution, tanks, works, N. ton 120.00 -137.16
Nitrogenous process tankage, bulk, works, ammo...unit-ton 3.50 - 4.00
Sewage sludge, bulk, works, unit ton 3.25 + .40
Nitromethane, dms., l.c.l., works lb .30 - —
Nitropropane, 1, dms., works lb .30 - —
2, dms., works lb .30 - —
Nutgalls, Aleppo, bgs lb .50 - —
Chinese, bgs lb .40 - —
Istrian, bgs lb .29 - —
Nutmeg, East Indian, bgs lb .38 - .39
futures, bgs lb .37 - .38
West Indian, bgs lb .35 - .35½
futures lb .33 - .34
Nux vomica, bls lb .08 - .09
powdered, bbls., bxs lb .11 - .12

O

Oakbark extract, 25% tannin, bbls., c.l., works lb No stocks
Octane, 100°-140° C, industrial grade, group 3, dms., c.l. gal .19 - —
l.c.l. gal .21 - .60
tanks gal .15½- —
10° C, Bayonne, N. J., tanks gal .16 - —
Octanol (see Alcohol, ethylhexyl).
Oil, abies siberica, cns lb 2.35 - 3.10
Almond, artificial, bitter, (see Benzaldehyde).
natural, bitter, F.P.A., bots lb 4.45 - 5.00
NF, bots lb 4.50 - 4.90
Sweet, dms., cns lb .80 - .95
Angelica root, bots lb 120.00 -190.00
Seed, bots lb 80.00 -100.00
Oil, anilin (see A).
Anise, USP, Chinese, dms lb .73 - 1.05
Russian, cns lb 3.50 - 3.75
Apricot kernel, tech. (see Oil, persic).
USP (see Oil, persic).
Avocado, cns., dms lb 1.00 - 1.10
Babassu, crude, tankcars lb .18¾ Nom.
Bay, NF, Puerto Rican, 50-55%, cns lb 1.20 - 1.50
55-60%, cns lb 1.20 - 1.60
West Indian, 50-55%, cns lb 1.20 - 1.60
Bergamot, artif., cns lb 2.50 - 4.25
natural, Italian, cns lb 3.90 - 4.60
Birchtar, crude, cns lb .95 - 1.76
rectified, NF, cns lb 4.25 - —
Bois de rose, Brazil, cns lb 2.75 - 4.75
Mexican (see Oil, lignaloe wood).
Bone, dms., works gal .65 - .70
Cajeput, tech., dms lb 1.70 - 2.00
redistilled, USP, X, cns lb 2.20 - 4.50
Calamus, cns lb 20.00 -28.00
Camphor, natural, white, cns lb .40 - .50
dms lb .30 - .40
Cananga, native, cns lb 2.00 - 2.55
rectified, cns lb 2.90 - 3.65
Capsicum (see Capsicum oleoresin).
Caraway, NF, cns lb 5.00 - 6.50
Cardamom, NF, bots lb 45.00 -50.00
Cassia, USP, cns lb 1.80 - 2.40
Castor, blown, dms., c.l. lb .21 - —
dms., l.c.l. lb .21½- —
standard, USP, dms., c.l. lb .19 - —
l.c.l. lb .19½- —
tanks lb .18 - —
refined and deodorized, dms., c.l. lb .20½- —
dms., l.c.l. lb .21 - —
tankcars lb .19½- —
Oil, castor, dehydrated, bodied, dms., c.l. lb .22¾- —
l.c.l. lb .23¼- —
tanks lb .21¾- —
unbodied, dms., c.l. lb .21¾- —
l.c.l. lb .22¼- —
tanks lb .20¾- —
hydrogenated, dms., c.l., works lb .30 - —
l.c.l., same basis lb .31 - —
No. 3, tech., dms., c.l. lb .18 - —
l.c.l. lb .18½- —
tanks lb .17 - —
sulphonated, 50% (48% fat), dms lb .12 - .14
75% (60-62% fat), dms lb .16 - .18
Cedarleaf, USP, cns., dms lb 1.95 - 2.85
tech., dms lb 1.70 - 1.80
Cedarwood, cns lb .45 - .55
dms lb .35 - .50
Celeryseed, bots lb 14.00 -16.50
Chaulmoogra, NF, cns., dms lb .56 - —
Chinawood (see Oil, tung).
Cinnamon bark, bots lb 33.00 -73.00
Leaf, Ceylon lb 1.50 - 1.75
Seychelle lb 1.20 - —
Citronella, Ceylon, cns lb .75 - 1.03
Java type, cns lb 1.25 - 1.65
Clove, USP, from Madagascar buds, cns., dms lb 1.25 - 1.55
from Zanzibar buds, cns lb 1.60 - 1.90
Coconut, crude, tanks, Atlantic ports lb .17 - —
Pac. coast lb .16 - —
refined, Cochin type, tax incl., dms., l.c.l. lb .22½- —
deodorized, tax incl., dms., l.c.l. lb .24 - —
Cod, Newfoundland, dms lb .20 - .22
Codliver, USP, dms gal 2.40 - 2.45
Coriander, bots lb 31.00 -35.00
Oil, corn, crude, tanks, works lb .12 - —
foots, acid, 95%, tanks, dlvd. E lb .03 Nom.
raw, 50%, tanks, dlvd. E lb .01½ Nom.
refined, tanks, mills lb .14¾- —
dms., New York lb .17 - —
Costus, bots oz 30.00 - —
Cottonseed, crude, tanks, Southeast and Valley lb .11½- —
foots, acid 95%, tanks, dlvd. E lb .03 Nom.
raw, 50%, tanks, dlvd. E lb .01½ Nom.
refined, dms lb .17¼- .17½
tankcars lb .15½- —
Creosote (see Creosote, coaltar).
Croton, NF, cns lb 4.75 - 5.50
Crude (see Petroleum, crude).
Cubeb, cns lb 7.00 -10.00
Cumin, bots lb 6.25 -11.50
Cypress, bots lb 11.00 -15.00
Degras (see D).
Dillseed, bots lb 9.00 - 9.50
Dillweed, bots., dms lb 7.35 - 8.60
Dip (see D).
Erigeron, cns lb 5.00 - 5.25
Eucalyptus, rectified, USP, 80-90%, cns lb .75 - 1.45
70-80%, cns lb .65 - 1.30
Fennel, sweet, cns lb 2.75 - 3.00
Fir, Canada, cns lb 1.90 - 2.35
Fishliver, concentrating or feed, 6,000 to 12,000 A units, dms 1,000,000 units .24½- —
20,000 to 80,000 A units, dms 1,000,000 units .29 - .34
pharmaceutical, 50,000 to 125,000 A units, dms., 1,000,000 units .33 - .50
pharmaceutical or food, 200,000 A units, dms 1,000,000 units .43 - —
concentrate, 100,000 A units, dms 1,000,000 units .40 - —
200,000 A units, dms 1,000,000 units .43 - —
300,000 A units, dms 1,000,000 units .46 - —
400,000 A units, dms 1,000,000 units .47 - —
800,000 A units, dms 1,000,000 units .50 - —
1,000,000 A units, dms 1,000,000 units .55 - —
Fuel (see Petroleum fuel oil).
Fusel (see F).
Garlic, pure, bots oz 9.25 - 9.50
Gaultheria (see Oil, wintergreen).
Geranium, Algerian, cns lb 9.50 -12.00
Bourbon, cns lb 10.50 -11.75
Turkish (see Oil, palmarosa).
Ginger, dist., bots lb 12.50 -13.50
Grapefruit lb .85 - 1.25
Grease, No. 1, dms lb .10¾- .11¼
extra, winter, strained, dms lb .11¾- .12¼
prime, burning, dms lb .13 - .13¼
Guaiacwood, cns lb 1.85 - 2.15
Hemlock, cns lb 1.95 - 2.75
Herring, crude, tanks, Pac. coast. lb No prices.
Juniper berry, NF VIII, bots lb 3.00 - 7.00
twice rectified lb 4.75 - 5.00
Tar, USP (see Juniper tar).
Wood, tech., cns lb .85 - 1.00
Lard (see Oil, grease).
Laurel, bots lb 9.75 -12.50
Lavandin, cns lb 1.40 - 3.75
Lavender flower, French, 38-42% ester, cns lb 3.20 - 4.35
30-32% ester, cns lb 2.50 - 3.10
Spike, Spanish, cns lb .90 - 1.05
Lemon, USP, Calif. cns lb 2.75 - 3.00
Messina lb 2.75 - 5.00
terpeneless, bots lb 32.00 -65.00
Lemongrass, cns., dms lb 1.60 - 1.90
Lignaloe seed, Mexican, cns lb 4.50 - 4.80
Wood, Brazilian (see Oil, bois de rose).
Mexican, cns lb 2.75 - 5.20
Lime, distilled, Mexican, cns lb 4.50 - 5.25
West Indian, cns lb 4.75 - 5.50
expressed, West Indian, cns lb 6.25 - 8.00
terpeneless, bot lb 35.00 -53.00
Linseed, raw, dms., c.l. lb .2830- —
l.c.l. lb .2940- .2990
tankcars lb .2760- —
tankwagon lb .2790- —
Boiled linseed oil .007 higher than raw.
Lubricating, at refinery, ex tax, Group 3, bright stock, 150-160 vis., 10-25 p.p. tanks, gal .285 - —
neutral, 300 vis., No. 3, col., 0.10 pour, tanks gal .21 - .22
200 vis., No. 3, col., 15-25 pour, tanks gal .18 - .19
145-155 vis., No. 3, color, 10-25 pour, tanks gal .285 - —
Penna., W, cylinder, 600-680 flash, tanks gal .33 - .34
600-650 steam refd., tanks, gal .37 - —
neutral, 70°F, No. 3 color, 150 vis., 25 pour, tanks gal .37 - .39
200 vis., 25 pour, tanks, gal .39 - .41
South Texas, neutral, pale 200 vis., 2¼-4 pour, tanks, gal .11 - .12
red. 200 vis., 4-6½ pour, tanks gal .11 - .12¼
Mace, dist., cns., dms lb 3.75 - 5.35
Mandarin, Brazilian, cns lb 4.25 - 8.40
Italian, cns lb 8.75 - 9.25
Menhaden, crude, tanks, Balto lb .06 Nom.
refined, alkali, dms lb .1620- .1660
kettle-bodied, dms lb .1820- .1860
light-pressed, dms lb .1520- .1560
tanks lb .14 - —
Mineral, white (see Oil, white, mineral).
Mirbane (see Nitrobenzene).
Mustard, synthetic, USP, cns lb 1.40 - 1.70
Seed, expressed, dms lb .23 - .23¼
Neatsfoot, 15°, dms lb .30 - —
20°, dms lb .29 - —
30°, dms lb .25 - —
Neroli, French, bots lb 75.00 -390.00
Haitian, bots lb 175.00 -200.00
Niaouli, cns lb 2.75 - 3.25
Nutmeg, dist., East Indian, cns., dms lb 3.95 - 5.35
West Indian, cns., dms lb 3.75 - 4.65
Ocotea cymbarum, dms lb .46 - .60
Oiticica, liquid, dms., c.l. lb .16 - .17
l.c.l. lb .16¼- .17¼
tanks lb .16 Nom.
Oleo, oil, extra, trcs lb .12½- —
Olibanum, bots lb 4.50 - 6.25
extra fine lb 6.25 -10.50
Olive, denat., dms gal 3.25 - —
edible, Calif., dms gal 3.75 - —
Spanish, dms., duty paid gal 4.00 - 4.10
Moroccan, dms., same basis, gal 3.80 - 4.00
foots, dms lb No stocks.
sulphonated, 50% (40% fat), dms., c.l. lb No stocks.
l.c.l. lb No stocks.
75% (62% fat), dms., c.l. lb No stocks.
l.c.l. lb No stocks.
Orange, sweet, natural, dist., cns., lb .50 - 1.00
expressed, USP, Brazilian, cns lb .80 - 1.25
Calif., cns lb .70 - 1.75
Florida, cns., dms lb .55 - 1.00
Messina, coppers lb 3.25 - 3.75
West Indian, cns lb 2.25 - 3.75
sesquiterpeneless, bots lb 55.00 -135.00

E. F. DREW & CO. INC.

15 EAST 26th STREET, NEW YORK 10, N. Y.

CHICAGO • BOSTON • MONTREAL • RIO DE JANEIRO

FACTORY: BOONTON, N. J.

REFINERS OF VEGETABLE OILS AND THEIR DERIVATIVES

Coconut Oil 76°

Hardened Coconut Oil 92° and 110°

Coconut Hard Butter

Coconut Oil Stearine

Peanut Oil

Hardened Peanut Oil and Flakes

Soya Bean Oil

Hardened Soya Bean Oil and Flakes

Cottonseed Oil

Hardened Cottonseed Oil and Flakes

•

Shortening-Standard and all Hydrogenated

•

SPECIAL VEGETABLE COMPOUNDS

MANUFACTURERS OF FATTY ACIDS AND PLASTICIZERS

Crude, White Distilled, Fractionated Fatty Acids of:

Coconut Oil

Linseed Oil

Soya Bean Oil

Corn Oil

Cottonseed Oil

Tallow

Hardened Tallow

Marine Oils

•

Stearic Acid

•

Plasticizer SC for Vinyl Resins, Synthetic and Natural Rubber Compounds

•

OIL ESTERS MADE TO SPECIFICATION

ENQUIRIES SOLICITED

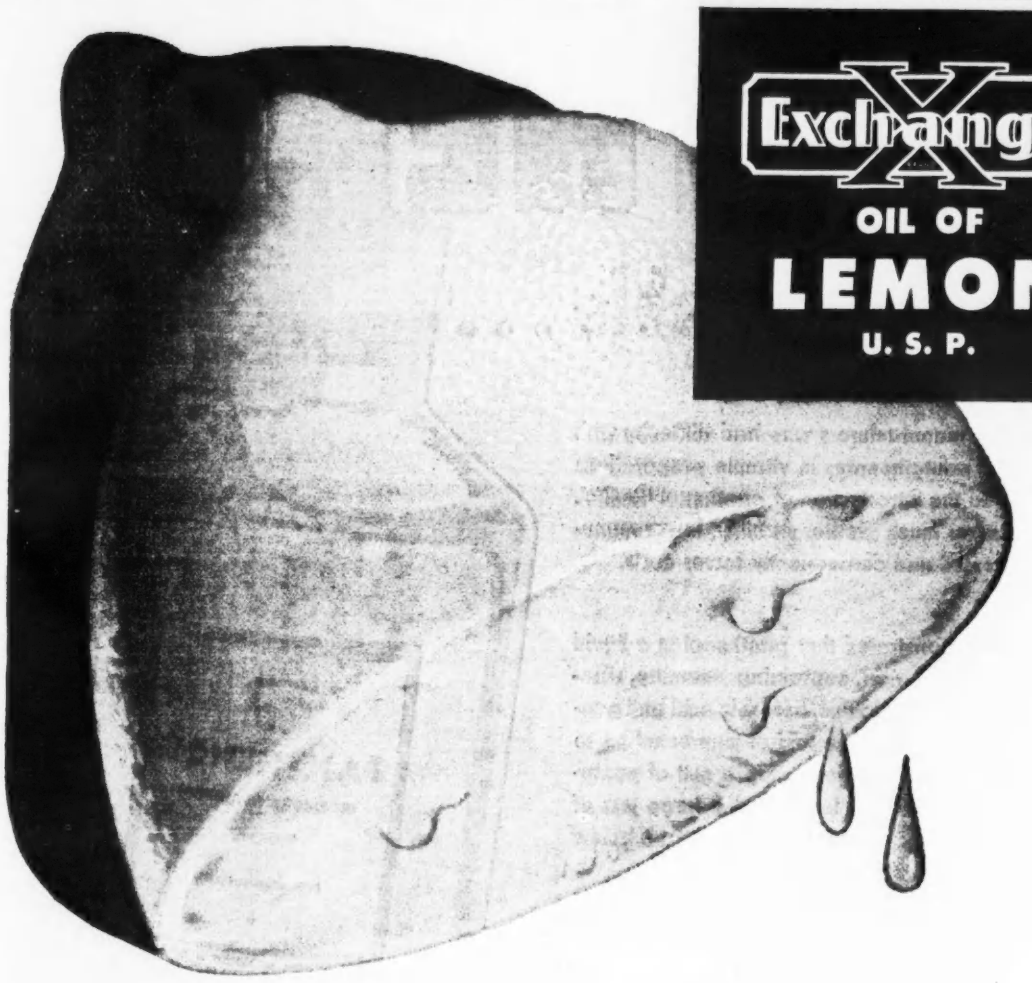
Oil, origanum, Spanish, cs. lb. 2.40 - 3.50
Palm, Congo, dms. lb. .19 - .19½
tankcars No stocks.
Palmarosa, cns. lb. 6.50 - 9.00
Palmkernel, crude, bulk, c.i.f. NY. lb. No prices.
Paraffin, pale 100-110 vis. at 100° F. tanks, East Coast refinery. gal. .11½- —
Patchouli, dms. lb. 6.00 - 7.25
Peach kernel, USP (see Oil, persic).
Peanut, crude, tanks, works. lb. .13 - —
foots, acid, 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd. E lb. .01½ Nom.
refined, tanks, dlvd. E. lb. .16½- —
drums lb. .17¾- .18
Pennyroyal, USP, dom., dms., cns lb. No stocks.
imported, cns. lb. 2.30 - 2.65
Peppermint, natural, dms. lb. 5.90 - 6.35
redist., USP, dms. lb. 6.25 - 6.75
Persic, USP, dms. lb. .45 .56
Perilla, crude, dms. lb No stocks
Petitgrain, Paraguay, cns. lb. 2.45 - 2.80
Pimento berry, dms. lb. 4.25 - 6.00
leaf, cns. lb. 1.50 - 1.80
Pine, dest.-dist., dms., incl., c.l., works, South gal. .60 .69
l.c.l., works, South gal. .61 .70
dms., incl., c.l., works, South lb. .07½ —
l.c.l., works, South lb. .08 - —
ex whse., N. Y. C. gal. .70 - —
ex whse., N. Y. C. lb. .09½- —
tanks, works, South lb. .062 - —
tanks, works, South gal. .60 - —
steam-dist., dms., ex whse., non-ret. dms., incl., l.c.l., ex whse., N. Y. C. gal. .88 —
Pineneedle, Siberian (See oil, abies siberica).
Putty, petroleum, heavy, dms gal. .18 - —
tankwagon gal. .13½- —
light, dms gal. .16½- —
tankwagon gal. .12½- —
Rapeseed, tankcars lb. .24 Nom.
Red, single dist., dms lb. .12½- .13½
tanks lb. .11¼- —
saponified, dms. lb. .11¾- .12¾
double dist., dms lb. .15 - .16
tanks lb. .13¾- —
Rose, natural, Bulgarian, coppers. oz. 25.00 -38.00
Rosemary, Spanish, tech., cns., dms. lb. .75 - 1.50
USP, cns., dms lb. .90 - 1.60
Rosin, first rectified, dms. gal. .66 - —
2d rectified, dms gal. .68 - —
3d rectified, dms. gal. .78 - —
Rue, bots. lb. 3.25 - 5.00
Sage, clary, bots. lb. 14.50 -16.00
Dalmatian, cns. lb. 2.80 - 3.10
Spanish, cns. lb. 1.40 - 3.50
Sandalwood, NF, cns. lb. 13.75 -16.00
Sardine, crude, tanks, Pac. coast. lb. .06 Nom.
refined, alkali, dms lb. .1620- .1660
kettle-bodied, dms lb. .1320- .1360
light-pressed, dms lb. .1520- .1560
tanks lb. .14 - —
Sassafras, artificial lb. .40 - .55
natural, Brazilian (see Oil, ocotea cymbarum).
domestic, USP, cns., dms. lb. 1.80 - 2.30
Savin, cns. lb. 3.00 - 3.25
Savory, cns lb. 3.00 - —
Seal, No. 1, tanks, U. S. ports lb. No prices.
Sesame, tanks lb. No prices.
Shingle stain, bbls., c.l., works gal. .2185- —
l.c.l., works gal. .25 - .29
tanks, works gal. .15 - 16
Snakeroot, Canada, cns. lb. 19.00 -19.25
Soybean, crude, tanks, mills lb. .10¾- .11
foots, acid, 95%, tanks, dlvd. E lb. .03 Nom.
raw, 50%, tanks, dlvd E lb. .01½ Nom.
refined, alkali, dms., c.l. lb. .1480- —
l.c.l. lb. .1525- .1560
tanks lb. .1360- —
clarified, dms., c.l. lb. .1360- —
l.c.l. lb. .1415- .1455
tanks lb. .1240- —
edible, tankcars, dlvd. East lb. .14 - —
drums lb. .15¼- .15¾
Spearmint, dms lb. 3.85 - 4.75
Sperm, bleached winter 45° tankcars lb. .2150- —
drums lb. .2220- .2270
natural winter 45°, tankcars lb. .20 - —
drums lb. .21 - .21¼
Spruce, cns., dms lb 1.95 - 2.75
Sunflower-seed, imp., refined, tanks lb. No prices.
semi-refined, tanks lb. No prices.
Sweet birch, Northern, cns. lb. 5.00 - 8.00
Southern, cns. lb. 1.95 - 3.65
Tall, crude, tanks, works ton. 40.00 - —
refined, dms., c.l., works lb. .06¾- —
l.c.l., works lb. .07 - —
tanks, works lb. .05¾- —
Tallow, acidless, dms lb. .10 - .10¼
Tansy, cns. lb. 9.00 -14.00
Tar, pine, com'l, dms., incl., c.l., works, South gal. .41 - .43¼
l.c.l., works, South gal. .43 - .45½
whse., N.Y.C. gal. .52¼- .54¾
tanks, works, South gal. .32 - .34½
rectified, NF, l.c.l., dms., incl., works, South gal. .60 - —
Tar acid (see T).
Teaseed, dms. lb. .24 Nom.
Theobroma (see Cocoa butter).
Thyme, NF, red, cns. lb. 2.15 - 3.35
white, cns. lb. 2.40 - 3.80
technical, white, cns lb. .35 - 1.00
Tung, dom., tanks, mills lb. .20 - —
imported, dms., c.l. lb. .22 - —
l.c.l. lb. .22½- —
tanks lb. .20½ Nom.
Turkey red (see oil, castor, sulphonated).
Turpentine, rectified, NF, cns., dms lb. .35 - .53
Vetiver, Bourbon, cns. lb. 11.75 -14.00
Haitian, cns. lb. 11.00 -13.50
Java, cns. lb. 10.40 -15.00
Whale, ref., natural, dms. lb. No stocks.
Winter-bleached, dms lb. No stocks.
Wheat germ, dms. gal. 10.00 -12.50
White mineral, tech., 50 vis., non-ret. dms., c.l., San Francisco gal. .51½- —
l.c.l., S.F. gal. .53½- .56½
50-65 vis., dms., c.l., N. Y. gal. .49½- —
l.c.l., N. Y. gal. .52½- .56½
63-75 vis., dms., c.l., N. Y. gal. .49½- —
l.c.l., N. Y. gal. .52½- .56½
70 vis., non-ret. dms., c.l., S.F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
USP, 80-90 vis., dms., c.l., N. Y. gal. .53 - —
l.c.l., N. Y. gal. .56 - .60
83 vis., non-ret. dms., c.l., S. F. gal. .51½- —
l.c.l., S. F. gal. .53½- .56½
100 vis., non-ret. dms., c.l., S.F. gal. .59 - —
l.c.l., S. F. gal. .61 .64
125-135 vis., dms., c.l., N. Y. gal. .61 - —
l.c.l., N. Y. gal. .64 - .68
145 vis., non-ret. dms., c.l., S. F. gal. .68 - —
l.c.l., S. F. gal. .70 .76
145-155 vis., dms., c.l., N. Y. gal. .64 - —
l.c.l., N. Y. gal. .67 - .71

Oil, white mineral, USP, 175-185 vis., dms., c.l., N. Y. gal. .65½- —
l.c.l., N. Y. gal. .68½- .72½
180 vis., non-ret. dms., c.l., S. F. gal. .70 - —
l.c.l., S. F. gal. .72 - .75
200-210 vis., dms., c.l., N. Y. gal. .69 - —
l.c.l., N. Y. gal. .72 - .76
335-345 vis., dms., c.l., N. Y. gal. .75 - —
l.c.l., N. Y. gal. .78 - .82
340 vis., non-ret. dms., c.l., S. F. gal. .85 - —
l.c.l., S. F. gal. .85 - .88
Wintergreen, nat., Northern, cns. lb. 8.75 -14.50
Southern, cns lb. 3.65 - 5.60
synthetic (see Methyl salicylate).
Wood (see Oil, tung).
Wormseed, NF, cns lb. 3.25 - 3.75
Wormwood, cns. lb. 6.65 -13.50
Ylang-ylang, Bourbon, extra, bots. lb. 10.00 -11.00
Bourbon, bots lb. 7.00 - 7.50
Madagascar, bots lb. 6.25 - 6.75
Olein, crude (see Oil red).
white, low titre, dms lb. .15 - .16
tankcars lb. .13¾- —
Oleostearin, bbls lb. .10 - —
Olivine, aggregate, c.l., mines ton. 7.00 9.50
crushed, 8 mesh, bulk, c.l., works. ton. 10.00 —
paper, bgs., c.l., works ton. 12.00 —
Opium, USP, cns. lb. 19.20 -19.45
gran., USP, cns. lb. 21.65 -21.90
powd., USP, cns. lb. 21.65 -21.90

Orange, cadmium lithopone, bbls., frt. alld. E. of Rockies lb. 1.10 - —
Chrome, CP, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. R., includ. Davenport, Tenn. and N. C., E. of Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .32 - —
Chrome orange prices are ½c. higher, dlvd. Ala., Fla., Ga., La. (Shreveport); 1½c. Miss., N. C., S. C., Tenn., Dallas and Ft. Worth, Tex.; 1½c. El Paso, Tex.; 2c. Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph; 1.6c. higher dlvd. Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita, prices are equalized with Chicago.
Orange, chrome dinitroanilin toner. lb. 1.15 - —
Mineral, American, bbls., l.c.l., ship't point, frt. alld. lb. .2110- —
Molybdate lb. .44 - —
Orange, Persian, bbls. lb. .30 - .45
Orange flowers, nls lb. .40 - .45
Orange peel, bitter, Haitian, bls lb. .13 - .15
Sweet, bls lb. .14 - .16
Oregano, Mexican, bgs. lb. .12½- .13
Portuguese, bgs lb. .20 - .20½
Sicilian, bgs. lb. .15 - .15½
Orris root, Florentine, bls lb. .22 - .25
powdered, bbls., bxs lb. .26 - .29
Verona, bls lb. .18 - .19
powdered, bbls., bxs lb. .22 - .23
Orthoaminobiphenyl, dms., c.l., works lb. .32½- —
l.c.l., same basis lb. .33 - —
tanks, same basis lb. .31 - —

Oil, Origanum—Orthophenetidin

Orthoamylphenol, dms., t.c.l. works. lb. .42 - —
Orthoanisidin, bbls lb. .80 - —
Orthochloroanilin, dms., 10,000 lbs. or more lb. 60 - —
smaller lots lb. 62 .67
Orthochloroparanitroanilin, dms., work lb. .65½- .81
Orthochlorophenol, dms lb. .28 —
Orthocresol, pure, 30°, dms., c.l., works, frt. equald lb. .23½-.24 1/2@
l.c.l., works lb. .24 -.24 7/2@
tech., 29°-30°, dms., c.l., works lb. .22½-.23 1/2@
l.c.l., works lb. .23 -.23 7/2@
25°-27°, dms., c.l., works lb. .20½- —
l.c.l., same basis lb. .21 1/10- —
tanks, same basis lb. .19½- —
Orthodichlorobenzene, cns., 50-lb lb .12½- —
100-lb. lb. .11½- —
dms., c.l., works, frt. alld. E. of Rockies lb. .08½- —
l.c.l., same basis lb. .09½- —
tanks, same basis lb. .07 - —
Orthodichlorobenzene prices W. of Rockies 1c. per lb. higher.
Orthoisopropyl N-phenylcarbanate (see PC).
Orthoisopropylphenol, dms., c.l. lb. .29 - —
l.c.l. lb. .30 - —
tanks lb. .28 - —
Orthonitroanilin, dms lb. .50 .53
Orthonitrochlorobenzene, dms lb. .17 .18
Orthonitrobiphenyl, tech., dms., c.l., works lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .18 - —
Orthonitroparachlorophenol, cns lb. .75 - —
Orthonitrophenol, dms lb. .66 - .77
Orthonitrotoluene, dms. lb. .12 - —
Orthophenetidin, dms., works lb. .90 - —



LIKE THE FLAVOR OF A FRESH-CUT LEMON....

When it's *lemon* you want, Exchange is the Oil!

More than 80% of all the lemon oil used in the United States is Exchange Lemon Oil. This overwhelming endorsement by the trade is your assurance that Exchange Lemon Oil delivers *flavor . . . clarity* and *uniformity* not found in any other Lemon Oil.

Always specify it by the brand name when you order — Exchange Oil of Lemon. And to insure your satisfaction, accept no other brand.

Distributed in the United States exclusively by
FRITZSCHE BROTHERS, INC.
76 Ninth Avenue, New York 11, N. Y.

DODGE & OLCOTT, INC.
180 Varick Street, New York 14, N. Y.

Distributors for:
CALIFORNIA FRUIT GROWERS EXCHANGE
PRODUCTS DEPARTMENT, ONTARIO, CALIF.

Producing Plant:
EXCHANGE LEMON PRODUCTS CO., CORONA, CALIF.

Orthotoluidin—Petroleum, Mineral Spirits

Orthotoluidin, dms.....lb. .18 - .20
Orthotolidin, distilled, kgs.....lb. 1.10 - —
Osage orange crystals, bbls., l.c.l lb. .33½- —
extract, liquid, bbls., l.c.l. lb. .15½- —
Ouabaine, USP, bots .....gram. 3.00 - 4.00
Ox gall, conc., gran., fib. dms., 5 lbs. and up lb. 2.50 - —
Oxyquinolin sulphate, cns., 100 lbs. works .lb. 5.00 - —
smaller lots, works.....lb. 5.10 - 5.25

P

Pancreas substance, assay 1:75...lb. 5.75 - 6.25
Pancreatin, USP .....lb. 2.50 - 3.00
Panthenol, bots., works, frt. adjust. kilo.90.00 - —
Papain, powd., NF, cs.....lb. 2.50 - 3.20
Papaverine, natural or synthetic, hydrochloride, USP, cns., 1,000-oz. lots..oz. 5.00 - —
smaller lots.....oz. 5.05 - 5.20
Sulphate, cns.....oz. 7.10 - 7.35
Paprika, Chilean, bgs.....lb. .19 - .20
Portuguese, bgs.....lb. .33 - .34
Spanish, bgs.....lb. .26 - .40
Para-anisidin, dms., works.....lb. .80 - —
Parachloropnenol, dms., c.l., works, lb. .20 - .28
l.c.l., works .....lb. .28 - .29
Parachloroanilin, dms., frt. alld. E. Miss..lb. .70 - —
Parachloro-orthonitroanilin, dms..lb. No stocks.
Paracresol, 98%, dms., works....lb. .50 - .65
92%-94%, dms., works.....lb. .47 - —
Paracymene, dms., works, 50 gals. or more..gal. 2.50 - —
smaller quantities.....gal. 3.00 - —

Paradibromobenzene, bgs., 500-lb. lots, works .lb. .45 - —
Paradichlorobenzene, dms., c.l., works .lb. .11 - —
l.c.l., same basis.....lb .12½- .14
Paraffin, crude, scale, white or yellow, 119-121 ASTM, bbls., c.l., refinery..lb. No prices.
121-123 ASTM, bbls., c.l., ref'y..lb. No prices.
126-128 ASTM, bbls., c.l., ref'y lb. No prices.
fully ref'd, slabs, 120-122 ASTM, loose, c.l., ref'y lb. .0690- —
122-124 ASTM, loose, c.l., ref'y, lb. .07 - —
125-127 ASTM, loose, c.l., ref'y, lb. .0710- —
120-130 ASTM, loose, c.l., ref'y lb. .0730- —
130-132 ASTM, loose, c.l., ref'y lb. .0735- —
132-134 ASTM, loose, c.l., ref'y, lb. .0760- —
135-137 ASTM, loose, c.l., ref'y, lb. .08 - —

Paraffin prices in bgs. and cns., 7/10c. per lb. higher; 1,000 to 9,999 lbs., 2.7c. per lb. higher, and under 1,000 lbs., 3.7c. per lb. higher.

Paraformaldehyde, dms., 1,000 lbs., works..lb. .24 - —
smaller lots, works.....lb. .25 - —
Paraldehyde, tech., 98%, 55 gals., dms., l.c.l., works..lb. .12½- .13½
5-10-gal. dms., l.c.l., works..lb. .16½- —
tanks, works.....lb. .11 - —
USP, cbys.....lb. .51 - .53
Paranitroanilin, ngs., works.....lb. .44½- —
Paranitrochlorobenzene, kgs., works, lb. .18 - —
Paranitrophenol, kgs., works, frt. equald..lb. .40 - —
Paranitrotoluene, kgs., works....lb. .39 - —
Paraphenetidin, dms., works.....lb. .88 - —
Paraphenylphenol, bgs., works....lb. .28 - .29
Paraphenylenediamine, tech., kgs., works..lb. 1.30 - —
Paratertiarybutylphenol, bgs., c.l., frt. equald..lb. .21 - —
l.c.l., same basis.....lb. .22 - —
Parathion tech., dms., c.l., works..lb. 2.50 - —
l.c.l., works.....lb. 2.55 - —
Paratoluenesulphonamide, bbls., works..lb. .70 - —
Paratoluidin, bbls., works.....lb. .55 - .63
Pareira brava root, whole, bgs...lb. .30 - .31
ground, bxs.....lb. .35 - .37
powder, bxs.....lb. .38 - .40
Paris green, dealer, distributor, dms., kgs., c.l., works, frt. alld. E..lb. .31 - —
l.c.l., same basis.....lb. .32 - .33
Passion flower herb, bls.....lb. .26 - .28
Patchouli leaves, bls.....lb. .45 - .55
Peanut meal, 45%, sacked, mills, ton.59.00 - —
Pectin, citrous, NF, powd., bbls..lb. 2.05 - 2.06
tech., powd., bbls.....lb. 1.42 - 1.43
Penicillin, amorphous, calcium, USP, bulk, 500,000,000 to 5,000,000,000 unit lots..100,000 units. .05½- .06¼
Sodium, USP, unlabeled vials, 100,000 units..vl. .12½- —
200,000 units.....vl. .18 - —
500,000 units.....vl. .34½- —
1,000,000 units.....vl. .62 - —
crystalline, potassium, unlabeled vials, 100,000 units..vl. .14½- —
200,000 units.....vl. .22 - —
500,000 units.....vl. .44½- —
1,000,000 units.....vl. .82 - —
bulk, 500,000,000 to 5,000,000,000 unit lots 100,000 units. .06¼- .07½

Penicillin, crystalline, procaine, regular or pulverized, bulk, 500,000,000 to 5,000,000,000 units lots..... 100,000 units. .07 - .07¾
Sodium, unlabeled vials, 100,000 units..vl. .14¾- —
200,000 units.....vl. .22½- —
500,000 units.....vl. .45¾- —
1,000,000 units.....vl. .84½- —
bulk, 500,000,000 to 5,000,000,000-unit lots..... 100,000 units. .07 - .07¾
Pennyroyal leaves, bls.....lb. .28 - .30
Pentachlorophenol, dms., works..lb. .20 - .25
Pentaerythritol, tech., bgs., c.l., works..lb. .29 - —
l.c.l., works.....lb. .31 - .33
Di and tri-isomers (see Dipentaerythritol and Tripentaerythritol).
Pentane, industrial, tanks, group 3 gal. .10½- .11½
Pepper, black, bgs.....lb. .87 - .88
Pepper, black, bgs.....lb. .85 - .86
May ship't, bgs.....lb. .85 - .86
June-July ship't, bgs.....lb. .85 - .86
Red, Carolina, futures, bgs.....lb. .40 - .41
Honfaka, bgs.....lb. .63 - .65½
Louisiana longs, bgs.....lb. .18 Nom.
Mombasa chillies, bgs.....lb. .38 - .39
Niger, capsicum, bgs.....lb. .38 - .39
birdseye, bgs.....lb. .62 Nom.
White, bgs.....lb. 1.35 - 1.38
Peppermint, USP, dom., bls.....lb. .60 - .65
imported, bls.....lb. .95 - 1.05
Pepsin, NF, bulk containers.....lb. 3.90 - —
Perchloroethylene, dms., c.l., zone 1, works, frt. alld..lb. .11 - —
zone 2, same basis.....lb. .11½- —
zone 3, same basis.....lb. .12 - —
zone 4, same basis.....lb. .11½- —
l.c.l., zone 1, same basis.....lb. .11¾- —
zone 2, same basis.....lb. .12¼- —
zone 3, same basis.....lb. .12¾- —
zone 4, same basis.....lb. .12¼- —
tanks, zone 1, same basis.....lb. .10½- —
zone 2, same basis.....lb. .11 - —
zone 3, same basis.....lb. .11½- —
zone 4, same basis.....lb. .11 - —

Perchloroethylene zones are:—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., Neb. (Omaha), Kans. (Kansas City), N. J., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis.; (2) Ala., Ark., Fla., Ga., Kansas, La., Miss., Neb., N D., Okla., S. C., S. D.; (3) Colo., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho, Mont., (W), Nev., Ore., Utah, Wash.

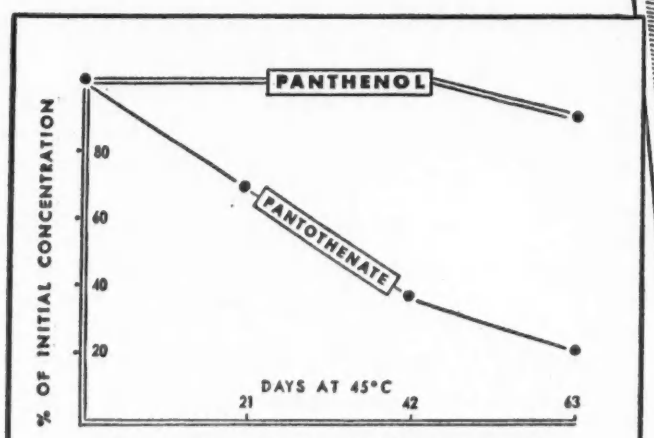
Peru balsam, dms.....lb. .85 - 1.00
Petrolatum, tech., dark, bbls., c.l., group 3..lb. .021 - —
f.o.b. Indiana refy....lb. .04½- —
golden topaz, bbls., c.l.....lb. .032 - —
l.c.l. .....lb. .036 - —
red, veterinary, bbls., c.l....lb. .024 - —
l.c.l. .....lb. .028 - —
USP, amber, non-ret. dms., c.l lb. .04⅞- —
Pennsylvania refy...lb. .04½- —
l.c.l. .....lb. .06 - —
California refy.....lb. .08¼- —
cream, c.l., dms.....lb. .06⅝- —
l.c.l. .....lb. .08¼- —
extra, amber, dms., c.l lb. .05⅛- —
Pennsylvania refy...lb. .04¾- —
l.c.l. .....lb. .06¼- —
white, lily, dms., c.l.....lb. .06⅞- —
l.c.l. .....lb. .08½- —
snow, dms., c.l.....lb. .07⅛- —
Pennsylvania refy...lb. .07⅞- —
l.c.l. .....lb. .08¾- —
California refy.....lb. .12 - —
soft, dms., c.l.....lb. .06⅝- —
Pennsylvania refy...lb. .06⅝- —
l.c.l. .....lb. .07⅞- —
California refy.....lb. .10½- —
yellow, soft, dms., c.l.....lb. .05 - —
Pennsylvania refy...lb. .04⅝- —
l.c.l. .....lb. .06¼- —
California refy.....lb. .08¼- —
Petroleum, crude, bulk, at wells, California..bbl. 1.94 - 2.88
Illinois .....bbl. 2.45 - 2.87
Kentucky .....bbl. 2.43 - 2.83
Louisiana-Arkansas .....bbl. 2.14 - 2.75
Montana .....bbl. 1.97 - 2.775
Oklahoma-Kansas .....bbl. 2.23 - 2.65
Pennsylvania, lower field bbl. 3.40 - —
Upper field.....bbl. 2.73 - 3.40
Texas, East.....bbl. 2.65 - —
Gulf coast.....bbl. 2.30 - 2.95
North, North-Central..bbl. 2.23 - 2.65
Panhandle .....bbl. 2.23 - 2.65
West .....bbl. 2.10 - 2.65
Wyoming .....bbl. 1.97 - 2.65
Ether, laboratory, 30°-60° C, cns., dlvd. E..gal. 1.50 - —
dms., c.l., group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
25°-60° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis .....gal. .44 - —
40°-75° C, 10-gal. cns., dlvd. E. gal. 1.50 - —
dms., c.l., Group 3.....gal. .26 - —
l.c.l., same basis.....gal. .44 - —
90°-160° C, ret. dms., ex tax, f.o.b. San Francisco..gal. .57 - —
Fuel oil, bunker C, No. 6, California, heavy tanks, refinery, bbl. 2.15 - 2.25
light, tanks, refinery...bbl. 2.35 - 2.45
Eastern, tanks, Albany, N. Y. bbl. 2.30 - —
Baltimore, Md.....bbl. 1.90 - —
Boston .....bbl. 1.95 - —
Charleston, S. C.....bbl. 1.85 - —
Jacksonville, Fla.....bbl. 1.80 - —
New York, N. Y.....bbl. 1.90 - —
Norfolk, Va.....bbl. 1.90 - —
Philadelphia, Pa.....bbl. 1.90 - —
Portland, Me .....bbl. 1.95 - —
Providence, R. I.....bbl. 1.925 - —
Savannah, Ga.....bbl. 1.80 - —
Diesel, tanks, refinery, California..gal. .081 - .118
Pennsylvania .....gal. .10 - —
Furnace, tanks, refinery, Arkansas, No. 2..gal. .07375- —
No. 3.....gal. .07 - —
Bayonne, N. J., No. 2..gal. .083 - —
Group 3, No. 1.....gal. .08125- .08625
No. 1, straw.....gal. .08125- .08625
No. 2, straw.....gal. .0725- .085
range .....gal. .0775- .0875
Pennsylvania, No. 1....gal. .1075- .113
No. 2.....gal. .10 - .105
No. 3.....gal. .10 - —
Lacquer diluent, California, 170-225 F, b.r., tanks, ex tax, f.o.b. Los Angeles...gal. .147 - —
255 F, b.r., tanks, ex-tax, Portland, Ore.....gal. .158 - —
San Francisco.....gal. .152 - —
Seattle, Wash.....gal. .168 - —
East coast, tanks, N. J. and N. Y. refinery..gal. .16 - —
Group 3, benzol-type, tanks, refinery..gal. .12125- —
toluol-type, tanks, refinery gal. .11125- .12125
Mineral spirits, California, 170-255 b.r., tanks, ex tax, f.o.b. San Francisco..gal. .152 - —
205-295 b.r., tanks, same basis gal. .152 - —
245-360 b.r., tanks, same basis..gal. .153 - —

PANTHENOL

is more stable... costs less

Pharmaceutical manufacturers who had difficulty with the stability of pantothenates in vitamin preparations have welcomed the introduction of panthenol 'Roche'. Panthenol assures much greater stability, lower manufacturing excesses and consequently lower costs.

Research has demonstrated that panthenol in a liquid hexavitamin preparation, containing thiamine, riboflavin, niacinamide, pyridoxine, ascorbic acid and panthenol at pH4, had almost no loss of panthenol up to 42 days. A similar preparation, using a salt of pantothenic acid instead of panthenol, had a large loss of the pantothenate over a like period. The graph below gives a dramatic comparison of the results.



A comparison of the relative stability of panthenol and a pantothenate in a liquid multivitamin preparation at pH4. Data from Rubin: J. Am. Pharm. Assn. (Sci. Ed.) XXXVII, 12, 1948.

PANTHENOL
(d-PANTOTHENYL ALCOHOL)
'ROCHE'
For Manufacturing Use Only
Container may be warmed to 150°F. on water bath to facilitate removal of contents.
HOFFMANN-LA ROCHE INC.
NUTLEY NEW JERSEY

All panthenol 'Roche' is packed in seamless aluminum bottles.

Not only does panthenol 'Roche' provide greater stability in the commonly-used range of acid pH, but it is possible to lower the pH to provide a better measure of stability for thiamine, ascorbic acid, etc., with relatively little sacrifice of panthenol stability.

Get all the facts now about panthenol 'Roche'. Write to the Vitamin Division. And look to 'Roche' first for leadership in vitamin research.

VITAMINS 'ROCHE'
Ascorbic Acid • Thiamine Hydrochloride • Panthenol • Riboflavin
Pyridoxine Hydrochloride
Biotin • Alpha-Tocopherol • Niacin • Niacinamide

VITAMIN DIVISION
HOFFMANN-LA ROCHE INC. • NUTLEY 10, NEW JERSEY
In Canada: Hoffmann-La Roche Limited, Montreal, Que.

Petroleum, mineral spirits, Calif., 305-362 o.r., tanks, same basis gal. .142 - —
312-400 b.r., tanks, same basis gal. .142 - —
360-453 b.r., tanks, same basis gal. .152 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 - —
Group 3, tanks gal. .09875- .10625
tankwagon, Baltimore gal. .175 - —
Boston gal. .16 - —
Buffalo gal. .165 - —
Camden, N. J. gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
Kansas City, Mo. gal. .182 - —
Lancaster, Pa. gal. .16 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
Providence gal. .165 - —
Rochester gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —
Washington, D. C gal. .175 - —
Naphtha, cleaners, California, tanks, San Francisco gal. .123 - —
East coast, tanks, N. J., N. Y., refinery gal. .14 —
Group 3, tanks gal. .10875- .11625
tankwagons, St. Louis gal. .1890- —
Newark gal. .15 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
high-flash, 140° F, group 3, refinery, tanks gal. .13 - .145
200-285 b.r., 37-38°C. mixed anilin pt., tanks, refinery gal. .20 - .21½
25-26°C, m.a.p., tanks, same basis gal. .21 - .24
270-370 b.r., 78-81°C, m.a.p., tanks, same basis gal. .23½- —
49°C, m.a.p., tanks, same basis gal. .26½- —
26-27°C, m.a.p., tanks, same basis gal. .21 - .24½
300-400 b.r., 28-32°C, m.a.p., tanks, same basis gal. .21 - .27
340-410 b.r., 27°C, m.a.p., tanks, same basis gal. .30½- —
32°C, m.a.p., tanks, same basis gal. .21 - —
36°C, m.a.p., tanks, same basis gal. .21 - —
340-440 b.r., 32°C, m.a.p., tanks, same basis gal. .25½- .27
360-480 b.r., 25°C, m.a.p., tanks, same basis gal. .21 - —
V.M.&P., ref'y, California, 245-360 b.r., tanks, ex tax, f.o.b. Los Angeles gal. .147 - —
Portland, Ore. gal. .156 - —
San Francisco gal. .152 - —
Seattle, Wash. gal. .158 - —
East coast, N. J., N. Y., tanks, gal. .15 —
Group 3, tanks gal. .10875- .11625
tankwagon, Boston gal. .175 - —
Chicago gal. .205 - —
Detroit gal. .221 - —
Milwaukee gal. .207 - —
Minneapolis gal. .205 - —
Newark gal. .165 - —
New York gal. .165 - —
Philadelphia gal. .165 - —
Pittsburgh gal. .185 - —
St. Louis gal. .199 - —
Solvent, rubber, California, tanks, ex tax, San Francisco gal. .152 - —
East coast, N. J., N. Y., gal. .15 —
Group 3, tanks gal. .10375- .10875
Stoddard, California, tanks, ex tax, San Francisco gal. .142 - —
East coast, N. J., N. Y., tanks gal. .14 —
Group 3, tanks gal. .09875- .11125
Pennsylvania, western, tanks, gal. .10 - —
tankwagon, Boston gal. .16 - —
Chicago gal. .195 - —
Detroit gal. .211 - —
Milwaukee gal. .197 - —
Minneapolis gal. .195 - —
Newark gal. .15 - —
New York gal. .15 - —
Philadelphia gal. .15 - —
Pittsburgh gal. .175 - —
St. Louis gal. .189 - —
Syracuse gal. .185 - —
Sulphonate, 70% sulphonic content, ret. dms., c.l., works lb. .1715- —
l.c.l., works lb. .1750- —
tanks, works lb. .1525- —
50% sulphonic content, ret. dms., c.l., works lb. .1365- —
l.c.l., works lb. .1400- —
tanks, works lb. .1175- —
Phenobarbital, USP, dms., 100 lbs. lb. 4.00 - 4.35
Phenobarbital-sodium, USP, dms. lb. 4.00 - 4.10
Phenol, 90-92% (cresol, 8-10%), dms., c.l., frt. alld. and frt. equald. E. of Rockies. lb. .13½- .14
l.c.l., same basis lb. .14¼- .14¾
tanks, same basis lb. .12¼- —
82-84% (cresol, 16-18%), dms., c.l., same basis lb. .14 - .14¼
l.c.l., same basis lb. .14¾- .15
tanks, same basis lb. .12½- —
USP, dms., c.l., same basis lb. .13½- .14¼
l.c.l., same basis lb. .14¼- .15
tanks, same basis lb. .12½- —
Phenolphthalein, USP, yellow, obls., dms., 2,000 lbs lb. 1.00 - —
smaller lots lb. 1.01 - 1.04
Phenothiazin, NF, fib. dms., 18,000 lbs., works lb. .44 - —
smaller lots, works lb. .46 - —
Phenylacetaldehyde solution, 50%, bots lb. 2.35 - 2.63
100%, bots lb. 4.00 - 4.15
Phenylacetamide, dms., works, 1,000 lb. lots lb. 1.25 - —
smaller lots lb. 1.60 - —
Phenyl acetate, dms., 100-lb. lots, works lb. .50 - —
Salicylate (see Salol).
Phenylalanine dextro laevo, dms., works lb. 30.00 -37.50
Phenyldiethanolamine, dms., c.l., works lb. .35½- —
l.c.l., works lb. .36½- —
Phenylethanolamine, dms., c.l., works lb. .67½- —
l.c.l., same basis lb. .68½- —
Phenylethyl acetate, dms lb. 1.40 - 1.80
Phenylethylphenyl acetate, bots lb. 4.50 6.00
Phenylhydrazin base, CP, bots lb. 3.00 3.07
Hydrochloride, CP, bots., works, lb. 5.00 5.07
commercial, kgs., works lb. 1.75 - —
Phenylmethylpyrazolone, dms., works lb. 1.58 1.60
Phloroglucinol, CP, fib. dms., works lb. 13.75 -15.75
commercial fib. dms., works lb. 4.50 - 7.00
tech., fib., dms., works lb. 10.00 -10.75
Phosgene, 150-lb. cyls., works lb. .20½- —
10-lb. cyls., works lb. 1.50 - —
Phosphate, defluorinated (see under D).

Phosphate rock, Florida, land pebble, run-of-mine, washed, dried, unground, 68-66%, b.p.l., bulk, c.l., car at mine long ton. 3.85 - —
70%-68%, b.p.l., c.l., same basis long ton. 4.25 - —
72%-70%, b.p.l., c.l., same basis long ton. 4.85 - —
75%-74%, b.p.l., c.l., same basis long ton. 5.85 - —
77%-76%, b.p.l., c.l., same basis long ton. 6.85 - —
finely ground, 65% b.p.l., basis 30% P_2O_5 minimum short ton. 4.93 - —
68%, b.p.l., basis 31% P_2O_5 minimum short ton. 5.28 - —
70%, b.p.l., basis 32% P_2O_5 minimum short ton. 5.83 - —

Prices for Florida phosphate rock are plus usual bonus penalty clause on oil and labor. Prices on entirely pebble, 50c. per long ton higher than above quotations.

Tennessee, brown run of mine, unground, 27-26% P_2O_5 long ton. 6.46 - —
30-29% P_2O_5 long ton. 7.21 - —
Phosphorus, red, amorphous, cs lb. .33 .36
tins, export lb. .34 .37
Yellow, cns lb. .30 - .37
dms., c.l. lb. .26 - —
Oxychloride, dms., works lb. .12 - .15
Pentasulphide, dms., c.l., works lb. .11 - —
l.c.l., dms., works lb. .12 - .13
Pentoxide, dms., c.l., works lb. .12 - —
l.c.l., works lb. .13 .14
Sesquisulphide, tins, cs., works lb. .26 - .29
dms., export lb. .33½- .36
Trichloride, dms., c.l., works lb. .12 - .15
l.c.l., works lb. .13 .16

Petroleum, Mineral Spirits—Potash, Caustic

Phthalamide, bbls., works lb. .35 - .40
kgs., works lb. .45 - .50
Phthalic anhydride, bgs., bbls., c.l., works, frt. equald lb. .22½- —
l.c.l., same basis lb. .23½- —
Phthalic anhydride prices on Pacific Coast same as above.
Picni leaves, bgs lb. .07 - .08
Picoline (see Alphapicoline and Betapicoline).
Picrotoxin, USP, bots oz. 3.00 - —
Pilocarpine hydrochloride, NF, bots., vials oz. 6.50 - 7.50
Nitrate, USP, bots, vials oz. 6.25 - 7.25
Pimento, Jamaica, bgs lb. .23 - .23½
Pinetar, retort, dms. incl., c.l., works, South gal. .43½- —
l.c.l., same basis gal. .45½- —
whse., N.Y.C. gal. .54¾- —
tanks, works, South gal. .34½- —
Pinkroot, bls lb. 1.90 - 2.10
Piperidine, 95%, dms., frt. equald. lb. 1.65 - —
98%, dms., same basis lb. 1.75 - —
Piperazine hexahydrate, bots lb. 8.50 - 9.00
Pipsissewa herb (see Prince's pine).
Pitch coaltar, 150°F. m.p., bbls., c.l., works ton. 34.00 - —
l.c.l., works ton. 36.00 -37.00
Cottonseed, dms., works lb. .08 - .08½
Hardwood, paper bgs., c.l., works, lb. .02 - —
Linseed, dms lb. No prices.
Petroleum (see Asphaltum, Mexican, Texas).
Pine, dms., ex whse. East 100 lbs. 6.90 - —
Soybean, dms., works lb. .06 - .06½
Plaster of paris (see Gypsum)

Platinum metal, works oz. 72.00 -75.00
Pokeroot, bls lb. .14 - .16
Pleurisy roots, bls lb. .25 - .26
Podophyllin, NF, dms lb. 14.25 - —
Polystyrene, plain colors, dms., 50,000 lbs., frt. alld lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .34 - .42
Polystyrene, special colors, dms., 50,000 lbs., same basis lb. .32 - —
30,000 lbs. to 49,999 lbs., same basis lb. .33 - —
smaller lots, same basis lb. .35 - .50
water-clear, dms., 50,000 lbs., same basis lb. .26 - —
30,000 lbs. to 49,999 lbs., same basis lb. .27 - —
smaller lots, same basis lb. .28 - .35
bg. prices ½c. per lb. lower.
Pomegranate root bark, bgs lb. .68 - .70
Poppy flowers, bls lb. .50 .55
Seed, Dutch, bgs lb. .17½- .18
Polish, bgs lb. .15 - .15½
Turkish, bgs lb. .12¾- .13¼
Potash, caustic, low-chloride, flake, 90%, dms., c.l., works 100 lbs. 9.55 - —
l.c.l., works 100 lbs. 9.75 - —
liquid, dms., c.l., 43%, works, 100 lbs. 4.525 - —
l.c.l., works 100 lbs. 5.025 - —
tanks, works 100 lbs. 4.20 - —
solid, 90%, dms., c.l., works, 100 lbs. 9.15 - —
l.c.l., works 100 lbs. 9.90 - —

Note these specifications... Compare them with those of any other emulsifiable wax!

Petrolite

EMULSIFIABLE
Crown Quality WAXES

Petrolite EMULSIFIABLE WAXES possess the hardness, high melting points and glossiness common to all the Petrolite Micro-crystalline waxes. They are processed petroleum derivatives with appreciable acid and saponification values. They form stable, translucent emulsions when combined with the common emulsifying agents.

We at Petrolite believe that Crown Quality 23 and 36 are the best emulsifiable waxes available today. We invite you to make comparisons and prove this to your own satisfaction. Complete information, samples and technical formulation assistance is yours for the asking.

CROWN QUALITY NUMBER	MELTING POINT °F	PENETRATION WITH 100 GRAMS	COLOR N.P.A.	ACID NUMBER	SAPONIFICATION NUMBER
23	180/185	6 Maximum	4½ to 6	20 to 25	55 to 65
36	180/185	8 Maximum	3½ to 8	30 to 35	85 to 95

Petrolite Emulsifiable Waxes are ideally suited for use in "self-polishing" floor dressings. Many no-rubbing waxes now produced commercially using these waxes show distinct advantages in long wear, high gloss, self healing properties and high resistance to water spotting.

Petrolite Emulsifiable Waxes are generally compatible with all the common ingredients in emulsion polishes: Carnauba, Candelilla and Ouricuri waxes, and numerous resins. Complete technical assistance is available to customers on special blending problems.

QUANTITY SHIPMENTS IMMEDIATELY AVAILABLE

PETROLITE *Crown Quality* WAX

PETROLITE CORPORATION, LTD • WAX DIVISION

30 Broad St., New York 4 REFINERY: Box 390, Kilgore, Texas

Potash Caustic, Regular—Quinine Hydrobromide

Potash caustic, regular, flake, 88-92% dms., c.l., works	lb.	.0815-	—
l.c.l., works	lb.	.089 -	—
liquid, 45% basis, dms., c.l., works	lb.	03725-	—
l.c.l., same basis	lb.	.0450-	—
tanks, same basis	lb.	.0340-	—
solid, 88-92%, dms., c.l., works, lb.		.0755-	—
l.c.l.	lb.	.0830-	—
Potassium abietate	lb.	.08 -	—
Acetate, USP, dms	lb.	.31 -	—
Bicarbonate, USP, gran., dms	lb.	.20	.22
powd., dms	lb.	.22	.24
Bichromate, bgs., c.l., works	lb.	.12¾-	—
l.c.l., bgs., works	lb.	.12¾-	.13¾
Potassium bichromate in bbls., ¼c. higher.			
Bitartrate (see Cream of tartar).			
Borate, gran., bbls., c.l., works	ton.	192.00 -	—
ton lots, works	ton.	245.50 -	—
less ton lots, works	ton.	250.50 -	—
Bromate, bbls., 1,000 lbs. or more, lb.		.48 -	—
25-200 lbs	lb.	.60 -	—
Bromide, USP, cryst., gran., bbls., kgs	lb.	.33 -	.34
Carbonate, tech., calcined, bbls., c.l., works	lb.	.0780-	—
l.c.l., same basis	lb.	.0830-	—
hydrated, 83-85%, bbls., c.l., works	lb.	.06¼-	—
dms., l.c.l., works	lb.	.06¾ -	—
USP, gran., bbls., dms	lb.	.16½-	.18
powd., bbls., dms	lb.	.21 -	.23
Chromate, tech., bgs	lb.	.25 -	.29
Potassium chlorate, cryst., kgs., c.l., works	lb.	.08½-	—
l.c.l., works	lb.	.09¾-	—
powd., dms., kgs., c.l., works	lb.	.09 -	—
l.c.l., works	lb.	.09¾-	—
export, kgs., 1 to 10 tons, ex whse	lb.	.12 -	—
NF, gran., dms	lb.	.31 -	.33
Chloride, USP, cryst., dms	lb.	.26 -	.27
gran., bbls	lb.	.20 -	.22
powd., bbls	lb.	.29 -	.32
Citrate, USP, gran., dms	lb.	.37½-	.42½
Potassium citrate, USP, powd., 3c. per lb. higher.			
Cyanide, dms., works	lb.	.55 -	—
Fluoride, dms., works	lb.	.24 -	—
Glutonate, dms	lb.	.75 -	.79
Glycerophosphate, 75% solution, chys	lb.	2.05 -	2.20
Guiacol sulphonate, NF, dms	lb.	1.80 -	1.85
Hydroxide, tech. (see Potash, caustic).			
USP, pellets, jars	lb.	.33 -	—
Hypochlorite, liquid, chys., dms., works, 100 lbs.		3.50 -	—
Hypophosphite, NF, 50-lb. lots	lb.	.90 -	.93
Iodide, dms.	lb.	2.10 -	2.13
Manure salt, 22% K_2O, bulk, mines unit-ton.		.20 -	—
25% K_2O, bulk, mines unit-ton.		.21 -	—
Metabisulphite, gran., bbls	lb.	.21 -	—
powd., bbls	lb.	.25 -	—
Muriate, dom., 60% K_2O, bulk, Carlsbad, N. M. unit-ton.		.37½-	—
Trona, Cal. unit-ton.		.45½-	—
Nitrate (see Saltpeter).			
Oxalate, neutral, tech., fine gran., bbls	lb.	.30 -	—
Potassium perchlorate, kgs., c.l., works	lb.	.13½-	—
dms., l.c.l., works	lb.	.14 -	.15
Permanganate, tech., dms., works, lb.		.21¾-	.22¼
USP, dms., works	lb.	.23½-	—
ex whse	lb.	.29 -	—
Persulphate, dms., c.l., works	lb.	.17 -	—
l.c.l., works	lb.	.21 -	—
Phosphate, tetrabasic, bbls., works	lb.	.13 -	.13½
Prussiate, red, kgs	lb.	.60 -	.63
yellow, bbls	lb.	.21 -	—
kegs	lb.	.26 -	—
Ricinoleate, tech., bbls	lb.	.18 -	—
Silicate, glass, bgs., c.l., works, ton.		200.00 -	—
l.c.l.	100 lbs.	15.25 -	—
Solution, 29° Be, ret. dms., c.l., works	100 lbs.	4.25 -	—
l.c.l., 5 or more, works, 100 lbs.		5.00 -	—
1-4, works	100 lbs.	5.50 -	—
62° Be, net, dms., c.l., works, 100 lbs.		4.75 -	—
l.c.l., 5 or more, works, 100 lbs.		5.50 -	—
1-4, works	100 lbs.	6.00 -	—
40.5° Be, ret. dms., c.l., works, 100 lbs.		5.75 -	—
l.c.l., 5 or more, works, 100 lbs.		6.50 -	—
1-4, works	100 lbs.	7.00 -	—
Silicofluoride, bbls., works	lb.	.07 -	.08
Sulphate, agricultural, dom., bulk, basis 90-95% K_2SO_4, min. 90%, works	ton.	32.50 -	—
Indust, bulk, works	ton.	36.00 -	—
NF, cryst., bbls	lb.	.31 -	.33
gran., dms	lb.	.14 -	.15
Sulphocyanide, cryst., NF (see Potassium thiocyanate).			
Thiocyanate, cryst., NF, dms	lb.	.70 -	.78
tech., works	lb.	.45 -	.50
Potassium titanate, ctns., c.l., works, lb.		.12 -	—
5 tons, works	lb.	.12¼-	—
1 ton or less, works	lb.	.12½-	.13
Potassium-magnesium sulphate bulk, min., 40% K_2SO_4, 18-50% MgO, works	ton.	14.50 -	—
Potassium-sodium ferricyanide, kgs., works	lb.	.50 -	.53
Potassium-sodium tartrate (see Rochelle salt).			
Potassium-titanium fluoride, fib. dms., works	lb.	.45 -	.58
Potassium-titanium oxalate, bbls., dms	lb.	.55 -	.60
Potassium-zirconium fluoride, fib. dms., c.l., works	lb.	.50 -	—
l.c.l., works	lb.	.52½-	.55
Prickly ash bark, bls	lb.	.25 -	.27
Berries, bgs.	lb.	No stocks.	
Prince's pine herb, bls	lb.	.54	.60
Procaine hydrochloride, USP, cns., 200-lb. lots	lb.	4.00 -	4.75
smaller lots	lb.	4.25 -	5.75
Progesterone, USP, 100 gms	gm.	3.75 -	—
Propane, commercial grade, tanks, group 3	gal.	.03½-	—
Propionaldehyde, dms., c.l., works	lb.	.28½-	—
l.c.l., works	lb.	.29½-	—
tanks, works	lb.	.25 -	—
Propylaldehyde (see Propionaldehyde)			
Parahydroxybenzoate, USP, dms	lb.	2.30 -	2.40
Propylene dichloride, dms., c.l.	lb.	.08½-	—
l.c.l.	lb.	.09½-	—
smaller containers	lb.	.12½-	—
tanks	lb.	.07 -	—
Oxide, dms., c.l., frt. alld. E	lb.	.20½-	—
l.c.l., frt. alld. E	lb.	.21½-	—
tanks, frt equald. E	lb.	.18½-	—
Propyleneglycol NF, dms., c.l., frt. alld. E	lb.	.17½-	—
l.c.l., same basis	lb.	.18½-	—
tanks, same basis	lb.	.16 -	—
tech., dms., c.l., frt. alld. E	lb.	.16½-	—
l.c.l., same basis	lb.	.17½-	—
tanks, same basis	lb.	.15 -	—
Methylether, dms., c.l., frt. equald.	lb.	.18 -	—
l.c.l., same basis	lb.	.18½-	—
tanks, same basis	lb	.16½-	—
Propylthiouracil, bots., works	kilo.	55.00 -	—
Psyllium seed, black, bgs	lb.	.25 -	.26
blonde, bgs	lb.	.21 -	.26
husks, bgs	lb.	.55 -	.65
Pulsatilla herb, bls	lb.	.55	.60
Pumice, dom., grd., course, 0, 1, 1½, 2, 3, bgs., ton lots.	lb.	.03⅜-	.04
Chicago, bgs., ton lots	lb.	.04½-	—
smaller lots	lb.	.03⅜-	.04¼
fine, bgs., ton lots	lb.	.03⅜-	—
smaller lots	lb.	.03⅝-	.04
Italian, silk-screen, fine, bgs., ton lots	lb.	.04 -	—
coarse, bgs., ton	lb.	.05½-	—
sun dried, fine, bgs., ton lots	lb.	.03 -	—
coarse, bgs., ton lots	lb.	.04½-	—
Pumice in bbls is ½c. per lb. higher.			
Pumpkin seed, bgs	lb.	.25	.36
Purple lake (see Red).			
Pyrethrum concentrate, dewaxed, 20%; (for aerosol bombs, dms., works	lb.	9.00	10.00
liquid (20 to 1), basis 2 grams pyrethrins per 100cc., odorless base, dms., works	gal.	6.95 -	7.50
regular base, dms., works,	gal.	6.85 -	7.40
(30 to 1) base 3 grams pyrethrins per 100cc., odorless base, bbls., works	gal.	10.35	11.25
regular base, dms., works,	gal.	10.25 -	11.15
Pyrethrum flowers, fine-grd., 0.9% pyrethrins, bbls., works	lb.	.30 -	.35
powder, 1.3% pyrethrins, bbls., works	lb.	.40 -	.50
Pyridin, denaturing ret. dms., works and frt. equald	gal.	2.49	2.72
refd., 2° non-ret. dms., c.l., same basis	lb.	.79	.80
l.c.l., same basis	lb.	.79½	.80
ret. dms., l.c.l., same basis	lb.	.69	.80
Pyridoxin hydrochloride, 100-gram lots	gram.	.55	—
Pyrites, Spanish, c.i.f. All ports,	long-ton	8.00	—
Pyrocatechin (see Catechol)			
Pyrophyllite, standard, 200 mesh, bulk, c.l., mines	ton.	11.00	11.50
230 mesh bulk, c.l., mines	ton.	12.00 -	—
325 mesh, bulk, c.l., mines	ton.	15.00 -	—
No. 3 200 mesh bulk, c.l., mines,	ton	9.50	—
insecticide grade, 200 mesh, bulk, c.l., mines	ton.	9.00	10.00
rubber grade, 140 mesh, bulk, c.l., mines	ton.	7.00 -	—
Pyrophyllite in paper bgs., $3 to $3.50 per ton extra.			
Pyroxylin scrap, opaque, amber, cs., works	lb.	.17 -	—
black, cs., works	lb.	.14 -	—
gray, cs., works	lb.	.14 -	—
mixed, mottled, cs., works	lb.	.12 -	—
white, china, ivory, cs., works, lb.		.17 -	—
dense, cs., works	lb.	.17 -	—
translucent, pastels, cs., works, lb.		.17 -	—
transparent colorless, cs., works lb.		.19 -	—
colors, cs., works	lb.	.17 -	—
shavings, opaque, amber, cs., works, cs., works	lb.	.15 -	—
mixed, colors, cs., works	lb.	.14 -	—
white, cs., works	lb	.17 -	—
USP, bots., dlvd	lb.	9.54 -	—

Q

Quassia chips, bls	lb.	.08 -	.09
Quebracho extract, clarified, grd., 70% tannin, bgs., c.l., duty extra	lb.	17½	Nom.
liq., 35% tannin, bbls., works,	lb.	.09 -	—
tanks, same basis	lb.	.08¼-	—
solid, 64% tannin, bgs., c.l., duty extra	lb.	.11½-	—
powd., 70% tannin, bgs., c.l., same basis	lb.	.18	Nom.
ordinary, solid, 63% tannin, bgs., c.l., ex dock, same basis.	lb.	.10¾-	—
Quebracho extract prices are based on $20.40 freight and $1 insurance per long ton.			
Queen of the meadow root, bgs	lb.	.12 -	.13
Quercitron crystals, bbls., l.c.l	lb.	.33½-	—
Extract, liquid, bbls., l.c.l	lb.	.14½-	—
solid, bxs	lb.	.28	—
Quicksilver, flasks (76 lbs.) net.	flask.	83.00	86.00
Quince seed, bgs	lb.	.95	1.75
Quinindine, NF, V, cryst., cns	oz.	2.10	—
powd., precip., cns	oz.	2.05	—
Sulphate, USP, cns	oz.	1.35	—
Quinine, NF, cns., 100 ozs	oz.	1.00	—
Bisulphate, USP, cns., 100 ozs	oz.	.73	—
Dihydrochloride, USP	oz	2.00	—
Quinine ethylcarbonate, NF, cns., 100 ozs	oz.	1.07 -	—
Hydrobromide, NF, cns., 50-oz. cns	oz.	.91	—

Serving These Major Industries...

HEYDEN CHEMICALS

FOR PHARMACEUTICALS, PERFUMES, COSMETICS
Benzaldehyde • Benzyl Chloride • Bromides • Glycerophosphates and Guaiacolsulfonates • Parasepts (Preservatives) and Benzoates • Creosotes and Guaiacols • Acetylsalicylic Acid and Salicylates • Penicillin • Streptomycin

FOR PLASTICS
Formaldehyde • Paraformaldehyde • Hexamethylenetetramine • Pentek®

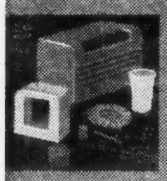
FOR TEXTILES, LEATHER, PAPER
Formic Acid and Formates • Formaldehyde • Hexamethylenetetramine • Chlorinated Aromatics

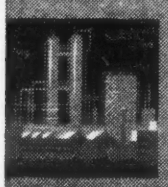
FOR FOOD PRODUCTS
Sodium Benzoate U.S.P. • Benzoic Acid • Benzaldehyde N.F. • Methyl Salicylate U.S.P.

FOR PROTECTIVE COATINGS
Pentek® (Pentaerythritol, technical) and Polypentaerythritol • Lignocol® (Antioxidant and anti-skinning agent) • M.D.A. (Methylene Disalicylic Acid)

FOR CHEMICAL AND AGRICULTURAL INDUSTRIES
Formaldehyde and derivatives • Chlorinated Aromatics • Chlorobenzenes • Salicylic Acid • Acids and Alkalis • Benzoic Acid and Chlorobenzoic Acids

FOR RUBBER MANUFACTURE
Formaldehyde • Hexamethylenetetramine • Benzaldehyde and Dibenzyl Ether





FINE HEYDEN CHEMICALS

HEYDEN CHEMICAL CORPORATION
393 SEVENTH AVE., NEW YORK 1, N. Y.

Serving Industry Through Finer Chemicals

Benzaldehyde • Benzoates • Benzoic Acid • Benzyl Chloride • Bromides
Chlorinated Aromatics • Chlorobenzenes • Creosotes • Formates • Formaldehyde
Formic Acid • Glycerophosphates • Guaiacols • Hexamethylenetetramine
M.D.A. (Methylene Disalicylic Acid) • Paraformaldehyde • Parahydroxybenzoates
Penicillin • Pentaerythritols • Salicylates • Salicylic Acid • Streptomycin

Chicago 6: 20 North Wacker Drive • Philadelphia 3: 1700 Walnut St. • San Francisco 11: 420 Market St. • RUMFORD DIVISION: Rumford 16, R. I.

Quinine hydrochloride, USP, cns., 100 ozs. lb. .91 - —
Hypophosphite, cns., 100 ozs. oz. 1.35 - —
Phosphate, NF, cns., 100 ozs. oz. 1.10 - —
Salicylate, NF, cns., 100 ozs. oz. .95 - —
Sulphate, USP, cns., 100 ozs. oz. .80½- —
Quinine-urea hydrochloride, NF, cns oz. .97 - —
Quinolin, dms., c.l., works lb. .50¾- .51½
l.c.l., same basis lb. .51¼- .55
tanks lb. .50 - .51

R

R salt, paste, dry basis, dms. lb. .70 - .75
Raspberries, dried, bbls. lb. 1.90 - 2.00
Red, alizarin lake, bbls., dlvd. N. of Tenn. and N. C., E. of Miss. including St. Paul, Minneapolis, Davenport, Rock Island, St. Louis. lb. 1.43 - 2.23

Prices ½c. per lb. higher dlvd. Ata., Fla., Ga., La. (Shreveport, 1¾c.), Miss., N. C., S. C., Tenn., Tex. (Dallas, Ft. Worth, 1¼c.). (El Paso, 2c.), Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. per lb. higher, dlvd. Pacific coast prices equated with Chicago, dlvd. Denver, Pueblo, Salt Lake City, Wichita.

Cadmium lithopone, deep shade, bbls., frt. alld. E. of Rockies. lb. 1.33 - —
light shade, bbls., same basis. lb. 1.20 - —
maroon, bbls., same basis lb. 1.45 - 1.55
medium shade, bbls., same basis lb. 1.30 - —
medium-light shade, bbls., same basis lb. 1.25 - —
orange-red, bbls., same basis lb. 1.15 - —

Red cadmium lithopone, all shades, in smaller pkgs., 5c. per lb. higher; all prices are 1c. per lb. higher ex whse. Los Angeles and San Francisco.

Carmine, No. 40 (see Carmine).
Crocus martis (see Red, maroon iron oxide).
Dyes (see Dyes, coaltar).
Eosin toner, bbls., works lb. .135 - —
Indian, dom., pure, ngs., Bethlehem, Easton, E. St. Louis, N. Y. lb. .11½- .11¾
Iron oxide, synth., bgs lb. .11½- .11¾
75½-85% copperas oxide, bgs., l.c.l., Bethlehem, Pa., Copley, O.; Easton, Pa.; E. St. Louis, and Trenton, N. J lb. .05¼- .09¼
special, high color, all shades lb. 1.00 - —
Lake C toner alizarin, bbls., works lb. 1.05 - —
Lithol toner, bbls., works lb. .90 - —
Lithol-rubin toner, alizarin, lake, bbls., works lb. 1.40 - —
Maroon, alizarin lake, 25% bgs., works lb. .40 - .42
toner, bbls., works lb. 1.35 - 1.50
Cadmium, deep, bbls., works lb. 1.20 - —
regular, bbls., works lb. 1.10 - —
Iron oxide, bgs., l.c.l., works lb. .04 - —
MNPT toner, kgs., works lb. 3.25 - —
Maroons in smaller pkgs., 5c. per lb. higher.
Mercury oxide, tech., bbls., 10,000 lbs., works lb. 2.00 - —
smaller lots, works lb. 2.02 - —
Metallic, bbls., works lb. .02½- .02¾
Oxide (see Red, iron oxide).
Persian gulf, bgs., works lb. .06¾- .07
Para toner, bbls lb. .85 - .88
chlorinated, kgs lb. .95 - 1.05
concentrated alizarin lake, kgs., works lb. .80 - —
Phloxin toner (see eosin toner).
Phosphotungstic, rhodamine Y, kgs., works lb. 4.45 - —
Pink lake alizarin, bbls., works lb. .20 - .23
Purple lake, kgs lb. 1.35 - —
Rose lake, alizarin, bbls., works lb. .25 - .23
Spanish oxide, grade 1, bbls., c.l., ex dock lb. .05½- .05¾
l.c.l., ex dock lb. .05¾- .06
ex whse., New York lb. .06½- —
grade 2, bbls., c.l., ex dock lb. .05¼- .05½
l.c.l., ex dock lb. .05½- .05¾
ex whse., New York lb. .06¼- —
Toluidin toner (MNPT), kgs., works lb. 1.35 - —
Turkey, bbls., works lb. .14½- —
Tuscan, bbls., frt. equald lb. .24½- .25
Venetian, 15%, bgs., works lb. .0350- —
20%, bgs., works lb. .0360- —
25%, bgs., works lb. .0410- —
30%, bgs., works lb. .0440- —
35%, bgs., works lb. .0465- —
40%, bgs., works lb. .0490- —
Vermilion, Amer., bbls lb. .32 - —
Quicksilver, cns lb. 2.27 - —
Red Precipitate, NF, powd., fib. dms lb. 2.17 - 2.19
Red saunders wood, grd., bbls lb. .35 - —
Rennin, NF lb. 6.50 - —
Resorcinol, tech., dms., works lb. .75 - —
USP, cryst., dms., works lb. 1.80 - —
powd., dms., works lb. 2.00 - —
Monoacetate, NF, dms lb. 3.25 - 3.45
Rhantany root, bgs lb. .10 - .12
Rhubarb root, whole, cs lb. .75 - .95
powd., bbls lb. .80 - 1.05
Riboflavin, USP, bots kilo. 125.00 - —
Readily soluble, bots kilo. 175.00 - —
Rice bran concentrate, dms., Cedartown, Ga., or Emeryville, Calif. lb. .79 - —
Rochelle salt, USP, gran., powd., bbls., 5,000 lbs. lb. .28½- —
smaller lots lb. .29 - .30
Rose flowers, pale, bls lb. .23 - .24
Rosemary flowers, bls lb. 1.53 - 1.65
Leaves, French, bls lb. .12 - .12¾
Portuguese, bls lb. .06½- .07
Spanish, bls lb. .08 - .08½
Rosin, gum (see Naval Stores, Protective Coatings market).
Wood, B, dms., c.l., works 100 lbs. 4.25 - —
FF, dms., c.l., works 100 lbs. 5.65 - —
G, H, I, dms., c.l., works 100 lbs. 5.70 - —
K, dms., c.l., works 100 lbs. 5.70 - —
M, dms., c.l., works 100 lbs. 5.70 - —
N, dms., c.l., works 100 lbs. 5.75 - —
WG, dms., c.l., works 100 lbs. 5.83 - —
WW, dms., c.l., works 100 lbs. 5.93 - —
X, dms., c.l., works 100 lbs. 6.03 - —
Rotenone, C.P., bbls., works lb. 20.00 - —
tech., works lb. 16.50 - —
Rottenstone, bgs., c.l., mines ton. 36.00 - —
l.c.l., mines ton. 43.00 - —
Wood, B, dms., c.l., works 100 lbs. 4.50 - —
FF, dms., c.l., works 100 lbs. 6.50 - —
Rue herb, bls lb. .40 - .45
Rutin, 10 kilos, fib. dms gram. .12 - —
5 kilos, fib. dms gram. .13 - —
smaller lots, fib. dms gram. .13½- —

S

Sabadilla seed, powd., bbls lb. .30 - —
activated ground with lime, bbls lb. .26 - .27
Saccharin, USP, gran., soluble, 1,000 lbs. lb. 1.50 - —
smaller lots lb. 1.60 - 1.70
powd., soluble, insoluble, dms., 1,000-lb. lots lb. 1.53 - —
smaller lots lb. 1.63 - 1.83
Safflower, Egyptian, bls lb. .90 - 1.00
Saffron, Mexican, bls lb. 1.20 - 1.35
Spanish, USP, tins lb. 19.00 - 22.50
Safrol, dms lb. .68 - .73
Sago flour, bgs lb. .07¼- .07½
Dalmatian, bls lb. .22 - .22½
Greek, fancy, bls lb. .13½- .14
Spanish, bls lb. .13½- .14
Syrian, bgs lb. .21 Nom.
Sago flour, bgs lb. .07½- .08
Saligenin, ctns., works lb. 14.00 - 25.00
Salol, NF, gran., bbls., kgs lb. 1.00 - —
fib. dms lb. 1.02 - 1.03
powdered salol, 10c. higher
Salt, rock, burlap bgs., c.l. 100 lbs. .98 - —
l.c.l. 100 lbs. 1.19 - 1.22
paper bgs., c.l. 100 lbs. .88 - —
l.c.l. 100 lbs. 1.09 - 1.12
Table, vacuum, common, fine, bgs., works, c.l. 100 lbs. .98 - 1.08
l.c.l., bgs. dlvd. 100 lbs. 1.20 - 1.32
USP, dms lb. .21 - —
Saltcake, dom., bulk, dlvd ton. 24.00 - 26.00
Saltpeter cryst., bbls., 10 tons. 100 lbs. 13.90 —
smaller lots 100 lbs. 14.15 - 14.40
gran., bbls., 20 tons 100 lbs. 9.25 - —
smaller lots 100 lbs. 10.50 - 11.00
powd., bbls., 20 tons 100 lbs. 10.25 —
smaller lots 100 lbs. 11.50 - 12.00
NF, gran., dms lb. .15¾- .17¾
Saltpeter in bags 25c. per 100 lbs. less than in barrels; in kegs, $1 more.
Sanguinarine nitrate, bots oz. 4.75 - 5.50
Santonin, NF, cryst., powd., ens kilo. 190.00 - 200.00
Saponin No. 1, cns lb. 2.45 - —
Sarsaparilla root, dom., bls lb. .40 - .45
Honduras, bls lb. .40 - .45
Mexican, bls lb. .24 - .30
Sassafras bark, ord., bls lb. .30 - .31
select, bls lb. .60 .65
Savory, French, bls lb. .17 - .17½
Spanish, bls lb. .14 - .14½
Saw palmetto berries, bgs. lb. .23 - .24
Scammony resin, lump, cns lb. 2.10 - 2.25
powd., cns lb. 2.20 - 2.30
Root, bgs lb. .11 - .13
Schaeffer's salt, bgs. lb. .60 - .67
Scopolamine hydrobromide (see Hyoscine hydrobromide).
Seidlitz mixture, bbls., 5,000 lbs. lb. .25¾- —
smaller lots lb. .26¼- —
kegs, 5,000 lbs lb. .26¾- —
smaller lots lb. .26¾- —
Selenium, powd., cns., 10-lb. lots lb. 2.10 —
cs., 1,000-lb lots lb. 2.00 —
Senega root, bls lb. 1.50 - 1.53
Senna leaf, Alex., half-leaf, bls lb. .22 - .24
sifting, bgs lb. .19 - .21
Tinnevelly, No. 1, bls lb. .17 - .24
No. 2, bls lb. .14 - .19
No. 3, bls lb. .11 - .14
Pods, bls lb. .12 - .15
powdered, bls., bxs. lb. .16 - .22
Serpentaria root, bls lb. 2.25 - 2.50
Sesame seed, Brazil, bgs., afloat lb. .16½- .17
Chinese, white, nat., bgs lb. .14 - .15
hulled, bgs lb. .19 - .20
Nicaragua, hulled lb. .26 - .27
Salvadorean lb. .14½- .15
Turkish, yellow lb. .15 - .15½
Shellac, bleached, bonedry, bgs., 1,500-lb. lots lb. .64½- —
bbls., 1,500-lb. lots lb. .65 - —
kgs., 1,500-lb. lots lb. .67 - —
refined, bgs., 1,500-lb. lots lb. .74½- —
bbls., 1,500-lb. lots lb. .75 - —
kgs., 1,500-lb. lots lb. .77 - —

bonedry shellac prices for less than 1,500 lbs., 1c. per lb. higher for all packages.

Lemon, No. 1, bgs lb. .70 - .71
No. 2, bgs lb. .67 - .68
Shellac, superfine, bgs., 10 bgs lb. .64 - .65
TN, bgs., 10 bgs lb. .61 - .62
Shellac in 1 to 9 bgs., 1c. more
Silica amorph., dry-grd., 325 mesh, bgs., c.l., Ill. works ton. 20.00 - 30.00
l.c.l., works ton. 25.00 - 40.00
hard-quartz, 99½%, 325 mesh, bgs., c.l., works ton. 20.00 - —
l.c.l., works ton. 25.00 - —
99½%, 140 mesh, bgs., c.l., works ton. 12.00 - —
l.c.l., works ton. 17.00 - —
Tetrachloride, tech., dms., c.l., works lb. .14½- —
l.c.l., works lb. .18½- .20¼
Silver bullion, ingots, cs oz. .71½- —
Cyanide, fib. dms., 2,500-oz. lots. oz. .65¾- —
1,000-oz. lots oz. .65¾- —
500-oz. lots oz. .65¾- —
100-oz. lots oz. .66¼- —
Nitrate, CP, cryst., bots., 2,500-oz. lots oz. .45¾- —
1,000-oz. lots oz. .46½- —
500-oz. lots oz. .47¼- —
250-oz. lots oz. .48 - —

USP granular silver nitrate, 2c. per oz. higher.

Proteinate, mild, USP, bots., dms., 1,000-oz. lots oz. .93 - —
strong, NF, bots., dms., 1,000-oz. lots oz. .90 - —
Simaruba bark, bls. lb. .65 Nom.
Skullcap herb, Eastern, bls lb. .75 - .80
Western, bls lb. .30 - .33
Skunk cabbage root, bls lb. .35 - .40
Slate flour, bgs., c.l., works ton. 11.00 - 12.00
l.c.l., ex whse ton. 20.00 - 60.00

Acetamide

(Ethanimide: Acetic Acid Amine)

99% TECHNICAL—99.5% REAGENT

Another ORGANIC for Industry by

BAKER & ADAMSON B&A QUALITY STANDARD OF PURITY

PROPERTIES:

Formula	$CH_3CO \cdot NH_2$
Mol. Wt.	59.07
Boiling Point	222°C.
Melting Point	81°C.
Specific Gravity	1.159 (gms/ml) at 20°C.

Soluble in water and alcohol; very slightly soluble in ether.

REMARKABLE SOLVENT PROPERTIES for a wide variety of organic compounds. Acetamide can be readily linked to hydrocarbons through its methyl group; to ketones, esters and acids through its carbonyl group; to alcohols and water through its tautoric hydroxyl group, and to ammonia and ammonia derivatives through its amino group.

INGREDIENT IN SOLDERING FLUXES for tin or tinned metals, particularly in high speed lines . . . Acetamide helps promote an even flow and distribution of flux.

IN TEXTILE DYEING: Acetamide may be used as a solvent for dyestuffs whose utility is limited by poor solubility. In such applications, Acetamide also acts as a wetting agent and a penetration accelerator for the dye.

AS A PLASTICIZER: Is a useful plasticizer for glue, gelatin, leather and various films and coatings.

FOR THERMOPLASTIC ADHESIVES: Acetamide is also used for the preparation of anhydrous thermoplastic adhesives which are particularly valuable for sealing cardboard food containers, since they are non-toxic, odorless and chemically neutral.

● **ACETAMIDE** is available in PBL* fibre drums—100 and 225 pounds net.

✓ **SAMPLES ON REQUEST**—write on your business letterhead to nearest Baker & Adamson office listed below.

* polythene bag liner

REAGENTS B&A STANDARD OF PURITY FINE CHEMICALS

BAKER & ADAMSON *Reagents*

GENERAL CHEMICAL DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.

Offices: Albany* • Atlanta • Baltimore • Birmingham* • Boston* • Bridgeport* • Buffalo* • Charlotte* Chicago* • Cleveland* • Denver* • Detroit* • Houston* • Kansas City • Los Angeles* • Minneapolis New York* • Philadelphia* • Pittsburgh* • Portland (Ore.) • Providence* • St. Louis* • San Francisco* Seattle • Wenatchee (Wash.) • Yakima (Wash.)
In Wisconsin: General Chemical Company, Inc., Milwaukee, Wis.
In Canada: The Nichols Chemical Company, Limited • Montreal* • Toronto* • Vancouver*

SETTING THE PACE IN CHEMICAL PURITY SINCE 1882

* Complete stocks are carried here.

Sloe Berries—Sodium Sulphanilate

Sloe berries, bgs	lb.	.33	.40
Smalt, black, ctns	lb.	.11	—
Blue, ctns	lb.	.16	—
Snakeroot, Canada, bls	lb.	.43	.45
Soapbark, bls	lb.	.19	.20
crushed, bls., bbls	lb.	.26	.27
cut, foreign, bbls	lb.	.27	.29
powd., bbls	lb	.29	.30
Soda ash, dense, 58%, paper bgs., c.l., works	100 lbs.	1.50	—
l.c.l., stock points	100 lbs.	2.75	4.52
bbls., c.l., works	100 lbs.	2.00	—
l.c.l., stock points	100 lbs.	3.25	5.02
bulk, c.l., works	100 lbs.	1.25	—
light, 53%, paper bgs., c.l., works	100 lbs.	1.40	—
l.c.l., stock points	100 lbs.	2.65	4.42
bbls., c.l., works	100 lbs.	1.90	—
l.c.l., stock points	100 lbs.	3.15	4.92
bulk, c.l., works	100 lbs.	1.15	—
Caustic, flake, powd., 76%, dms., c.l., works	100 lbs.	3.45	—
l.c.l., stock points	100 lbs.	4.80	6.67
liquid, 50%, sellers' tanks, works, dry basis	100 lbs.	2.40	—
rayon-type, tanks, works, dry basis	100 lbs.	2.40	2.50
70%, sellers' tanks, works, dry basis	100 lbs.	2.50	—
rayon-type, tanks, works, dry basis	100 lbs.	2.60	—
solid, 76%, dms., c.l., works	100 lbs.	3.05	—
l.c.l., stock points	100 lbs.	4.40	6.27
Sal, bgs., c.l., ex car	100 lbs.	1.55	—
l.c.l., bgs., ex whse	100 lbs.	1.75	—
Soda-lime, USP, dms	lb.	.23	.25
Sodium acetate, anhyd., dms., works	lb.	.10	.11½
NF, cryst., bbls., works	lb.	.08	.09
Alginate, refined, water soluble, bbls., works	lb.	.79	—
semi-refined, bbls., works	lb.	.46	—
NF, white, powd., dms., works, ton lots	lb.	1.25	—
smaller lots	lb.	1.30	1.65
Alkylbenzene-sulphate, dms., wks.,	lb.	.13	—
Aluminate, 20,000 lbs., or more bgs	100 lbs.	8.50	—
under 20,000 lbs., works	100 lbs.	9.50	—
Antimoniate, bbls., c.l., dlvd. E.	lb.	.31	—
l.c.l., dlvd	lb.	.32	—
Arsenate, dealers, dms., c.l., works,	lb.	.12	—
Arsenite, 75%, dealers, dms., works	lb.	.13¼	.14¼
solution, dms., works	gal.	.70	1.00
l.c.l., works	lb.	.11¾	.11⅞
Benzoate, tech., bbls., 2 tons	lb.	.39	—
smaller lots	lb.	.40	.41
USP, dms., 2 tons	lb.	.46	—
smaller lots	lb.	.47	.52
Bicarbonate, USP, gran., bgs., c.l., works	100 lbs.	2.35	—
l.c.l., works	100 lbs.	3.00	—
powd., bgs., c.l., works	100 lbs.	1.95	—
l.c.l., works	100 lbs.	2.60	—
Bichromate, bgs., c.l., works	lb.	.10	—
l.c.l., works	lb.	.10¼	.10⅝
Sodium bichromate, in bbls., ¼c. higher.			
Sodium bifluoride, bbls., c.l., works, frt. equald	lb.	.13¼	—
l.c.l., same basis	lb.	.13½	—
Bisulphate, bulk, c.l., works	100 lbs.	1.75	—
dms., c.l., works	100 lbs.	2.40	—
l.c.l., works	100 lbs.	2.90	—
Bisulphite, powd., bbls., c.l., works	100 lbs.	3.50	—
l.c.l., works	100 lbs.	4.00	—
solut. 35°, bbls., c.l., works	100 lbs.	1.10	—
l.c.l., works	100 lbs	1.50	—
Borate (see Borax).			
Bromide, USP, bbls., kgs., works	lb.	.33	.34
Cacodylate, NF, bots., dms	lb.	9.00	12.00
Carbonate (see Soda ash, Soda sal, Sodium monohydrate).			
USP monohydrate, dms	lb.	.05¾	.06½
Chlorate, cryst., dms., c.l., works,	lb.	.07½	—
l.c.l., works	lb.	.07¾	.08¼
powd., kgs., works	lb.	.09	—
Chloride (see Salt).			
Chlorite, tech., dms., works	lb.	.75	—
Chromate, bbls., dms., c.l., works,	lb.	.11¾	—
Citrate, USP, VIII, bbls	lb.	.21½	—
dms.	lb.	.22½	.26½
USP XIII, gran., bbls	lb.	.28	—
dms.	lb.	.29	.33
Sodium citrate, USP XIII, powd., prices ½c. higher.			
Cyanate, dms., ton lots, works	lb.	.75	—
smaller lots, works	lb.	.85	—
Cyanide, 96-98%, dms	lb.	.17	.17½
Diacetate, 33-35% acidity, bbls., works	lb.	.11½	.12½
anhydrous, dms., works	lb.	.14	.15
Sodium fluoride, white, 98%, bbls., c.l., works	lb.	.10½	—
l.c.l., works	lb.	.10¾	—
95%, bbls., c.l., works	lb.	.10¾	—
l.c.l., works	lb.	.11	—
Fluoroacetate, 8-oz. tins, 50 to a case, lb., works	lb.	12.00	—
2 to 25 tins to case, works	lb.	12.00	16.50
One oz. tins, 16 to 64 to case, works	lb.	16.50	21.00
Formate, bgs., c.l., dlvd	100 lbs.	7.10	—
l.c.l.	100 lbs.	8.15	—
Gluconate, dms	lb.	.83	.85
Glutamate, monobasic, kgs.	lb.	1.54	1.56
Glycerophosphate, NF, flake, bbls.,	lb.	1.65	1.80
powder, bbls.	lb.	1.70	1.85
solution, 75%, cbys	lb.	1.00	1.15
50%, cbys.	lb.	.82	—
Hydrosulphide (see Sodium, sulphydrate).			
Hydrosulphite, dms., c.l., frt. alld.	lb.	.23	—
l.c.l., frt. alld	lb.	.23½	.24
Hydroxide, tech. (see Soda, caustic).			
USP, pellets, dms	lb.	.23	—
Hypophosphite, NF, 50-lb. lots,	lb.	.85	.88
Hyposulphite, tech., cryst., bgs., c.l., works, frt. equald.	100 lbs.	3.50	—
l.c.l., same basis	100 lbs.	3.90	—
pea cryst., bgs., metro area	100 lbs.	3.75	—
Soda, hyposulphite, crystals in bbls., 40c higher; pea crystals, dms., 50c. higher			
USP (see Sodium thiosulphate).			
Iodide, USP, dms., jars	lb.	2.72	2.83
Lactate, edible, 50%, dms., c.l., works	lb.	.18	—
l.c.l., dms., works	lb.	.13½	—
tech., 50%, dms., c.l., works	lb.	.12½	.15
l.c.l., dms., works	lb	.13	.15½
Metaborate, octa-hydrate, gran., bgs., c.l., works	ton.	73.00	—
l.c.l., works	ton.	118.00	123.00
tetrahydrate, c.l., bbls., works,	ton.	134.50	—
Sodium metaborate in bbls. $20 per ton higher.			
Metal, dms., works	lb.	.18½	—
Metanilate, bgs.	lb.	.57	—
Metasilicate, anhyd., bbls., c.l., works	100 lbs.	4.25	—
gran., bgs., c.l., works	100 lbs.	3.25	—
l.c.l.	100 lbs.	4.35	4.60
bbls., c.l., works	100 lbs.	3.63	—
l.c.l.	100 lbs.	4.75	5.00
Molybdate, anhyd., works	lb.	.51½	.53
Monohydrate, bgs., c.l., works	100 lbs.	2.00	—
l.c.l., works	100 lbs.	2.45	—
Naphthionate, bbls	lb.	.60	.65
Nitrate, crude, dom., bgs., c.l., works	ton.	48.50	—
bulk, c.l., works	lb	45.00	—
imp., 100-lb. bgs., c.l., All Gulf, Pac.whse	ton.	54.50	—
bulk, c.l., same basis	ton	51.00	—
USP, dms	lb.	.21	—
Nitrite, 90%, bbls., c.l., works, frt. equald	lb.	.06¾	—
West coast ports	100 lbs.	8.00	8.05
l.c.l., dlvd	100 lbs.	8.90	11.00
Orthosilicate, anhyd., dms., c.l., works	100 lbs.	5.25	—
l.c.l., same basis	100 lbs.	5.55	7.10
hydrated, flake, bbls., c.l., works,	100 lbs.	4.25	—
l.c.l., works	100 lbs.	5.50	8.75
Oxalate, neut., bgs., works	lb.	.09½	—
Pentachlorophenate, briquets, bgs., works, frt. equald	lb.	.21½	—
powd., bgs., c.l., same basis	lb.	.20	—
l.c.l., same basis	lb.	.21	.24
Perborate, USP, tech., bbls., c.l., works	lb.	.18¾	—
l.c.l., works	lb.	.19¼	—
Peroxide, dms., c.l., dlvd. E. or Miss	lb.	.16	—
smaller lots, same basis	lb.	.19	—
Phenolsulphonate, USP IX, gran., dms	lb.	.33	.34
powd., dms.	lb.	.36	.37
Phosphate, dibasic, anhyd., bgs., c.l., works	100 lbs.	6.75	7.00
l.c.l., works	100 lbs.	7.25	7.50
cryst., ogs., c.l., works,	100 lbs.	3.35	3.50
l.c.l., works	100 lbs.	3.75	3.90
USP, dried, powd., dms., works	lb.	.20	.20½
monobasic, anhyd., bgs., c.l., works	100 lbs.	10.00	—
l.c.l., works	100 lbs.	12.85	—
tribasic, anhyd., bgs., c.l., works, frt. equald	100 lbs.	No stocks	
l.c.l., same basis	100 lbs.	No stocks	
cryst., bgs., c.l., works, frt. equald	100 lbs.	3.75	—
l.c.l., same basis	100 lbs.	4.25	—
Sodium phosphates in bbls., 40c. higher than bgs.			
USP (see Sodium phosphate dibasic)			
Prussiate, yellow, bgs	lb.	.12½	—
Pyrophosphate, acid, bgs., c.l., works, frt. equald	100 lbs.	10.00	—
l.c.l., same basis	100 lbs.	10.50	10.75
ferric, dms., 1,500 lbs., works,	lb.	.30	—
smaller lots, works	lb.	.31	—
tetrabasic, anhyd., bgs., c.l., works, frt. equald	100 lbs.	6.90	—
l.c.l.	100 lbs.	7.40	—
Ricinoleate, tech., bbls	lb.	No stocks	
Salicylate, USP, dms	lb.	.57	.60
Sesquicarbonate, bgs., c.l., works.	100 lbs.	1.95	—
bbls., c.l., works	100 lbs.	2.45	—
l.c.l., bgs., dlvd. zone 1.	100 lbs.	3.70	4.10
zone 2	100 lbs.	3.96	4.36
zone 3	100 lbs.	4.25	4.65
zone 4	100 lbs.	4.96	5.35

Sales zones are: (1) All States E. of Miss. R. and N. of south bound of Ky. and Va.; Ala., La., and Miss., south of 31° Tex., E. of 100°; S. of 31° Fla.; also Me., N. H. and Vt., in which there are special county zones: Davenport, Ia., and St. Louis, Ill. Ark. E. of 98° Ga.; Iowa (except Davenport), Minn.; Mo. (except St. Louis), Neb. E. of 98°, N. C., S. C., Tenn. and Tex. N. of 31° and E. of 100° (except Wichita Falls); also Ala., La. and Miss. No. of 31°; (3) Ark. W. of 96°, Kan., Neb., W. of 98°, N. D., Okla., S. D., Tex., W. of 100° (excluding Wichita Falls excluding El Paso); (4) Ariz., Colo., Idaho, Mont., Nev., N. M., Utah, Wyo., and El Paso, Tex.

Sesquisilicate, bbls., c.l., works	100 lbs.	4.15	—
l.c.l. dlvd	100 lbs.	5.40	5.65
Silicate, 40°, turb'd., dms., c.l., works	100 lbs.	1.00	—
l.c.l., works	100 lbs.	1.25	1.35
tanks works	ton.	16.00	17.00
52° turbid., dms., c.l., works	100 lbs.	1.80	—
l.c.l., works	100 lbs.	2.05	2.15
tanks, works	ton.	32.00	—
Silicofluoride, bbls., c.l., works	lb.	.05	—
l.c.l., works	lb	05½	.06
Stannate, dms., works, frt. alld. E.	lb.	.33	.633
Stearate, tech., bbls., works	lb.	.40	—
USP, anhyd., bbls., works	lb.	.51	.56
Sulphanilate, bbls., works	lb.	.22	—

Cowles CHEMICALS

DRYMET*
The Economical Detergent Silicate

Cowles DRYMET, anhydrous sodium metasilicate, is the most highly concentrated form of sodium metasilicate available. It is more economical to use, on the basis of both Na_2O (alkalinity) and SiO_2 (silicate) than any other type of hydrated or anhydrous detergent silicate, either compounded or by itself. DRYMET contains no water of crystallization.

CRYSTAMET*
The Medium pH Detergent Silicate

Cowles CRYSTAMET is a pure, perfectly white, free-flowing granular pentahydrate sodium metasilicate with the normal 42% water of crystallization. Suggested for compounding when it is desirable to lower the concentration of a finished product. Readily soluble — chemically stable — easy to handle. Can be used on medium pH jobs.

DRYSEQ*
The All-Purpose Detergent Silicate

Cowles DRYSEQ, anhydrous sodium sesquisilicate, is a medium pH alkaline cleaner which will do fast, dependable work at a low cost to the user. It is a white, free-flowing powder, quickly and completely soluble in hot or cold water—containing 56.75% Na_2O—making it an economical base material for compounding.

DRYORTH*
The Heavy-Duty Detergent Silicate

Cowles DRYORTH, anhydrous sodium orthosilicate, is a powerful, speedy, heavy-duty cleaner with valuable penetrating and wetting-out properties, reinforced dirt-removing power and unusual emulsifying action. It is an anhydrous, free-flowing powdered silicate containing not less than 60% Na_2O, which may also be used as an economical constituent of high pH cleaning compounds.

We'll be glad to send you our DRYMET File Folder containing complete technical information and suggested formulations.

*Reg. U. S. Pat. Off.

PROMPT SHIPMENTS FROM CONVENIENT WAREHOUSE STOCKS

Cowles Chemical Company

HEAVY CHEMICAL DEPARTMENT • CLEVELAND 3, OHIO

Sodium sulphate, NF VII, dried, gran., dms. lb. .14½- —
tech., anhyd., bgs., c.l., works, 100 lbs. 2.10 - —
l.c.l., works 100 lbs. 2.35 - 2.60
cryst. (see Glauber's salt).
USP, cryst., gran., bbls lb. .15 - .15½
Sulphide, flake, bbls., c.l., works, frt. equald 100 lbs. 4.50 - —
l.c.l., same basis 100 lbs. 5.00 - 5.25
fused, bbls., c.l., works, frt. equald 100 lbs. 4.00 - —
l.c.l., same basis 100 lbs. 4.50 - 4.75
Sulphite, anhyd., tech., powd., bbls., c.l., frt. equald 100 lbs. 2.50 - 2.75
l.c.l., same basis 100 lbs. 3.25 - 3.75
crystals, bgs., c.l., works 100 lbs. 3.60 - —
l.c.l., works 100 lbs. 4.00 - —
bbls., c.l., works 100 lbs. 4.00 - —
l.c.l., works 100 lbs. 4.40 - —
powd., bbls., c.l., works 100 lbs. 6.50 - —
l.c.l., works 100 lbs 7.00 - —
Sulphocyanide, CP (see Sodium thiocyanate).
Sulphoricinoleate, bbls lb. .51 - .61
Sulphydrate, flake, 70-72%, dms., c.l. lb. .05¾- —
l.c.l., works lb. .06¼- —
liquid, 45%, basis 100% tanks, works ton.95.00 - —
Thiocyanate, CP, dms lb. .55 - .65
tech., dms., works lb. .30 - —
Thiosulphate, tech. (see Sodium hyposulphite).
USP, cryst., bbls lb. .10 - .12
Titanate, ctns., c.l., works lb. .10 - —
5 tons, works lb. .10¼- —
1 ton or less, works lb. .10½- .13½
Tripolyphosphate, bgs., c.l., works, frt. equald lb. 7.50 - —
l.c.l. lb. 8.00 - —
Tungstate, tech., kgs., works lb. 1.20 - 1.25
Sodium-ammonium phosphate, bbls., works, frt. equald lb. .23 - —
Sodium-carboxymetnylcellulose—See CMC.
Sodium-cinchophen, bots., dms., works lb. 5.00 - 5.10
Sodium-formaldehyde, sulfoxylate, dlvd., dms lb. .24 - .24½
Sodium-sulpha drugs (see Sulpha name).
Sodium-titanium fluoride, fib. dms., c.l., works lb. .16½- —
l.c.l., works lb. .17½- .20
Sodium-zirconyl sulphate, fiber dms., 1,000 lbs. or more, works lb. .28 - —
less 1,000 lbs., same basis lb. .30 - —
Solvent naphtha, coaltar, tanks, works gal. .25 - .32½
high-flash, tanks, works gal. .25 - .32½
petroleum, 100° F. flash, tanks, Baytown, Tex gal. .25 - —
150° F. flash, tanks, same basis gal. .25 - —
Sorbitol, cryst., pellets, dms., c.l., works lb. .30 - —
ton lots, works lb. .33 - —
solution, commercial, aqueous, dms., c.l., works lb. .23¼- —
ton lots, works lb. .24¼- —
less ton lots, works lb. .25 - —
regular, 70%, aqueous, dms., c.l., works lb. .16½- —
ton lots, works lb. .17¾- —
less ton lots, works lb. .18½- —
tanks, works lb. .15¾- —
Soybean meal, 41% bulk, Decatur ton.59.00 -60.00
protein, chemically isolated, 40,000 lbs., works lb. .19 - —
20,000 lbs., works lb. .19¼- —
smaller lots, works lb. .19½- .23
mechanically refined, bgs., 40,000 lbs., works lb. .057- —
20,000 lbs., works lb. .0590- —
smaller lots, works lb. .0605- —
Sparteine sulphate, cns oz. 2.95 - —
Spikenard root, bls. lb. .40 - .45
Spruce extract, liq., reg., tanks, works lb. .01¾- —
powd., super, bgs., c.l., works, lb. .05¼- —
Squaw vine, leaves, bls lb. .35 - .40
Squill, red, fortified, powd., bbls, boxes lb. 1.50 - 1.60
White, bls lb. .08 - .10
powd., bbls., bxs lb. .14 - .18
St. Ignatius beans, bgs lb. No stocks.
St. John's bread, edible, bls lb. .17 - .18
Stainless steel flake, dry, dms., works lb. 1.50 - —
paste, dms., works lb. 1.25 - —
Stannous chloride (see Tin chloride, stannous).
Starch, corn, pearl, paper bgs., c.l. 100 lbs. 5.29 - —
Chicago 100 lbs. 4.67 - —
l.c.l. 100 lbs. 5.44 - —
powd., paper bgs., c.l. 100 lbs. 5.40 - —
Chicago 100 lbs. 4.78 - —
l.c.l. 100 lbs. 5.60 - —
Prices for corn starch in cotton bags, 17c. higher.
Potato, dom., bgs., c.l. lb. .0580- .0613
l.c.l. lb. .07½- —
Rice, bgs lb. .10½- .10¾
Sweetpotato, bgs., c.l. lb. No stocks.
Wheat, bgs lb. .0593- .0603
Stavesacre seed, bgs lb. .60 - .61
Stearin, oleo (see Oleostearin).
Stillingia root, bls. lb. .35 - .38
Stoneroot, bls lb. .07½- .08
Storax, USP, cs lb. 1.50 - 1.60
Stramonium leaves, bgs lb. .18 - .23
Seed, bgs lb. .20 - .21
Streptomycin, hospitals, vials gram. .80 - —
wholesalers, vials gram. .64 - —
Strontium bromide, NF, cns., dms., lb. .62 - —
Carbonate, 90%, bbls lb. .15½- .16¼
Chloride, tech., bbls lb. .22 - .24
Chromate, bgs., frt. equald lb. .43½- .44
Iodide, jars, 25 lbs lb. 3.60 - —
Nitrate, bbls., c.l., works lb. .09¼- —
l.c.l., works lb. .10¼- —
Oxalate, bbls., works lb. .42 - .44
Salicylate, NF, dms lb. 1.25 - 1.32
Sulphate, air-floated, 90% 325 mesh, bbls., works ton.58.00 - —
Strontium-calcium sulphide, phosphorescent, dms., works lb. 2.50 - 2.85
Strophanthin, NF, bots oz.39.00 - —
Strophanthus seed, Kombe, bgs lb. 2.00 - 2.25
Strychnine, NF, powd., cns., 100 ozs. oz. 1.25 - —
Phosphate, NF, 100 ozs oz. 1.14 - —
Sulphate, USP, powd., cns., 100 ozs. oz. 1.00 - —
Styrene, monomer, tanks, works lb. .15 - —
Styrolyl acetate, bots lb. 2.50 - 3.10
Sucrose octa-acetate, denat., bbls., l.c.l., works lb. .60 - —
tech., bbls., l.c.l., works lb. .55 - —
Sugar coloring (see Caramel coloring).
Sugar of milk (see Milk sugar).
Sulphabenzamide, dms., works lb. 4.25 - —
Sulphabenzamide sodium, dms., works lb. 4.25 - —
Sulphadiazin, USP, dms., works lb10.25 -10.75
Sulphadiazin sodium, USP, dms., works lb.11.25 -11.75
Sulphaguanidin, USP, dms., works. lb. 4.50 4.60
Sulphamerazin, USP, dms., works lb.10.25 -10.75
Sulphamerazin, sodium, USP, dms., works lb.11.25 -11.75
Sulphanilamide, USP, powd., bots., works lb. 1.30 - 1.45
Sulphanilamide, 20-60 mesh, 10c. higher.
Sulphanilamidoquinoxaline, veterinary, dms lb.20.00 - —

Sulphapyridin, NF, powd., bots., tins, works lb. 7.00 - 7.30
Sulphapyridin-sodium, powd., bots., dms., works lb. 7.50 - 7.80
Sulphathiazole, USP, powd., dms., works lb. 3.50 - 4.00
Sulphathiazole sodium, USP., dms., works lb. 3.50 - 4.00
Sulphur, com'l, rubbermakers, bgs., c.l., works 100 lbs. 1.75 - —
l.c.l., works 100 lbs. 2.10 - 2.45
crude, c.l., bulk, mines, contract, long ton.18.00 - —
vessel, f.o.b. Gulf ports, export, long ton.22.00 - —
flour, com'l, 90½%, bgs., c.l., works 100 lbs. 1.60 - —
l.c.l., works 100 lbs. 1.95 - 2.30
precipitated, USP, bbls., kgs lb. .18 - .30
refined, flour, light refined, USP, bgs., c.l., works 100 lbs. 3.00 - —
l.c.l., works 100 lbs. 3.35 - 3.70
heavy, bgs., c.l., works 100 lbs. 2.80 - —
l.c.l., works 100 lbs. 3.15 - 3.50
flowers, USP, bgs., c.l., works, 100 lbs. 3.25 - —
l.c.l., works 100 lbs. 3.60 - 3.95
Sulphur flowers in bbls., 75c. higher.
rock, bgs., c.l., works 100 lbs. 2.40 - —
l.c.l., works 100 lbs. 2.75 - 3.10
rolls, bgs., c.l., works 100 lbs. 2.70 - —
l.c.l., works 100 lbs. 3.05 - 3.70
rubbermakers' bgs., c.l., works, 100 lbs. 2.25 - —
l.c.l., bgs., works 100 lbs. 2.60 - 2.95
Chloride, 55-gal. dms., c.l., works, lb. .03¼- —
l.c.l., works lb. .04¼- —
10-gal. dms., l.c.l., works lb. .08¼- —
Dioxide, liquid, com'l, cyls., works lb. .10 - —
multi-unit cars, works lb. .055 - —
tanks, works lb. .0465- —
refrigeration, cyls., l.c.l., wks. lb. .16 - —

Sumac bark, 28%, grd., bgs., ex dock ton.85.00 - —
Extract, No. 1, bbls lb. .10½- —
No. 2, bbls lb. .09 - —
crystals, bbls. lb. .40 - —
stainless, bbls. lb. .14½- —
Leaves, 30%, bgs., ex dock ton.88.00 - —
Superphosphate run-of-pile, under 22% a.p.a., pulv., bulk, Baltc unit-ton. .76 - .77
triple, 48% or more, a.p.a., pulv., bulk, Tampa, Fla. unit-ton. .83 - —
Prices on 48% triple superphosphate in other states and D. C. are per unit-ton plus frt. charges from E. Tampa, Fla. Superphosphate, gran., 2c. per unit-ton higher than pulverized.
Sweet basil, bls lb. 1.50 - 1.70

T

Talc, dom., ordinary, grd., c.l., New York, works ton.21.00 - —
l.c.l., works ton.22.50 -24.50
Calif., bgs., c.l., works ton.22.00 -30.00
Vermont, bgs., c.l., works ton.14.00 - —
l.c.l., works ton.17.50 - —
fibrous, New York, off-color, grd., bgs., c.l., works ton.24.00 - —
l.c.l. ton.26.50 -28.00
88.95-99.95%, grd., bgs., c.l., works ton.21.00 - —
l.c.l., works ton.24.50 - —
98-99.5%, grd., bgs., c.l., works ton.23.00 -28.00
l.c.l., works ton.27.00 -32.00
Imp., Canada, grd., bgs., c.l. ton.35.00 -45.00

Tallow, inedible, extra, loose, dlvd. lb. .05¾- —
fancy, loose, dlvd lb. .06 - —
special loose, dlvd lb. .05½- —
sulphonated, 25%, dms lb. .07½- .08
50%, dms lb. .10 - .10½
Tamarinds, bbls lb. .10 - .15
Tankage, animal, feeding, 9-11% ammon., bulk unit-ton. 8.00 - —
Chicago unit-ton. 8.00 - —
fertilizer, 9% ammon., 10% b.p.l., Chicago unit-ton No stocks.
10-11% ammon., 15% b.p.l., bulk unit-ton. No stocks.
Tansy leaves, bls lb. .20 - .30
Tapioca flour, high grade, bgs lb. .10½- .11
medium grades, bgs lb. .09½- .09¾
low, bgs lb. .07 - .07¼
Java, bgs lb. No stocks.
Tar acid oil, 15-18%, dms., c.l., works, frt. equald gal. .46 - —
l.c.l., works gal. .49 - —
tanks, works lb. .38 - —
25-28%, dms., c.l., works gal. .53 - —
l.c.l., works gal. .56 - —
tanks, works gal. .45 - —
Tar coal (see Coaltar).
Pine (see Pinetar).
Tara pods, bgs., c.l. ex docs U. S. ports long ton. No prices.
powd., bgs., c.l., same basis long ton.225.00 Nom.
Tarragon herb, bgs. lb. .45 - .50
Leaves, bgs lb. .85 - .95
Tartar emetic, tech., gran., or powd., bbls., kgs lb. .46 - —
dms. lb. .47 - .51
USP, powd., bbls., dms., kgs lb. .51 - .54
Terpin hydrate, com'l, bbls., c.l lb. .24½- —
l.c.l. lb. .25 - .25¼
NF, cryst., bbls., dms lb. .90 - .95
powd., bbls., dms lb. .95 - 1.00

Only NYTRON

TRADE-MARK REG U S. PAT OFF.

SOLVAY'S NEW SYNTHETIC ORGANIC DETERGENT

gives you this versatile combination of properties

✓ **NYTRON HAS EXCEPTIONAL DETERGENCY** for use in institutional cleaning, manufacturing plants, industrial processes, dairy cleaning, and in the compounding of a wide variety of products; can be used alone, or combined with acids or alkalies.

✓ **NYTRON COUNTERACTS HARD WATER DIFFICULTIES;** more economical because increased quantities do not have to be added to compensate for water hardness; completely prevents the formation of scum, grease rings, streaks, spots.

✓ **NYTRON HAS HIGH SOLUBILITY;** water solutions containing as much as 36% NYTRON can be prepared at 77°F.; will not "salt out" in concentrated solutions of many metallic salts.

✓ **NYTRON REDUCES WETTING TIME** from a matter of hours required in plain water to a matter of seconds; produces splendid results under a wide variety of conditions.

✓ **NYTRON REMAINS CHEMICALLY STABLE** under extreme conditions of temperature, acidity or alkalinity, suffers no chemical breakdown or loss in detergency when used in solutions of either weak or caustic alkalies.

✓ **NYTRON REDUCES SURFACE TENSION** even under extremely varying conditions; addition of only 3½ ounces to 100 gallons of water will reduce surface tension by more than 50%; this action is actually enhanced under hard water conditions.

✓ **NYTRON RINSES THOROUGHLY, QUICKLY** in cool or even cold water; does not leave an insoluble deposit.

✓ **NYTRON HAS EXCELLENT EMULSIFYING POWER** to remove oil and grease from fabrics, surfaces, metal parts.

✓ **NYTRON WILL FOAM** in any normal concentration of acid or alkali, in distilled or sea water, in ice cold or boiling water.

A SOLVAY PRODUCT

This low-cost synthetic organic detergent is made by a new, exclusive, patented process. It is a basic product with a chemical structure unique in the synthetic organic detergent field. Get detailed information and specific technical data on how NYTRON can help your business.

Mail the coupon today

SOLVAY SALES DIVISION, Allied Chemical & Dye Corporation
40 Rector Street, New York 6, N. Y.

I want to know more about NYTRON, the entirely new type (patented) synthetic organic detergent, and what it can do for my business. Please send me detailed non-technical information and specific technical data on NYTRON.

Name .....
Title .....
Company .....
Type of Business .....
Address .....
City ..... *State* OPD-5

Terpineol—Viosterol

Terpineol, Alpha (see A).
com'l, dms., c.l., South lb. .13½- —
l.c.l., South lb. .14 - —
tanks, South lb. .13 - —
prime, dms lb. .35 - .60
Terpinglycol ether, dms., c.l., works. lb. .19½- —
l.c.l., works lb. .20 - —
tanks, works lb. .19 - —
Terpinyl acetate, extra, cns., dms. lb. .63 - 1.03
prime, cns., dms lb. .55 - .95
Terra alba (see Gypsum).
Testerone propionate, USP, 100 gms. gm. 6.00 - —
Tetrachloroethane, dms., works lb. .08 - .08½
Tetrachloroethylene, USP, 55-gal. dms., works lb. .20½- .21½
smaller dms., works lb. .23½- .25
tech. (see Perchloroethylene).
Tetraethyl orthosilicate dms., works. lb. .70 - —
Pyrophosphate, dms., works lb. .80 - —
Tetraethylenepentamine, dms., c.l., works lb. .51½- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Tetrapotassium phosphate (see Potassium phosphate).
Tetrasodium pyrophosphate (see Sodium pyrophosphate).
Thallium sulphate, 99%, bots., dlvd. lb.15.00 -17.50
Theobromine, bots., kgs lb. 5.25 - —
Salicylate, fib. dms lb. 5.00 - 5.25
with sodium acetate, USP, fib. dms lb. 4.00 - 4.45
Sodio-Salicylate, fib. dms lb. 3.15 - 3.50
Theophylline, USP, bots., kgs lb. 6.00 - —
Thiamine hydrochloride, USP, dms., 100 grams kilo.160.00 - —
Thiocarbanilide, dms lb. .34 - .35
Thiodiphenylamine (see Phenothiazine).
Thiouracil, dms., works lb. 5.50 - 5.60
Thiourea, tech., dms., c.l., works lb. .42 - —
l.c.l., works lb. .44 - —
Thorium nitrate, cs., works lb. 3.50 - —
Threonine, dextro-laevo, 100 grams 115.00 - —
Thyme, French, bgs lb. .16½- .17
Spanish, bls lb. .09½- .10
Thymol, USP, kgs lb. 3.65 - 3.75
Iodide, NF, dms lb. 6.80 - 6.90
Timbo root (see Cube root).
Tin chloride (stannous), anhyd., dms. lb. .88 - .89
Crystals, hydrous, bgs., bois., works lb. .71½- —
Metal, Bolivian lb. 1.03 - —
Straits lb. 1.03 - —
Oxide, bbls. lb. 1.01 - 1.02
Tetrachloride, anhyd., dms., wks. lb. .60 - .62
Titanium dioxide, anatase, chalk-resistant, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
plain, bgs., c.l., dlvd lb. .19½- —
l.c.l., dlvd lb. .20 - .20½
rutile, natural, granular, bgs., c.l., works lb. .06¼- —
l.c.l., works lb. .06½- —
milled, bgs., c.l., works lb. .06¼- —
l.c.l., works lb. .06¾- —
nonchalking, bgs., c.l., dlvd. E. lb. .21½- —
l.c.l., dlvd. E lb. .22 - 22½
Hydride, cns., works lb. 7.00 - 8.00
Titanium pigment, calcium-rutile base, bgs., c.l., dlvd lb. .07½- .07¾
l.c.l., dlvd lb. .08 - .08¾
Titanium dioxide and pigment in bbls., ¼c. higher; Pac. coast, c.l., dlvd., l.c.l., ex whse. ½c. higher.
Tetrachloride, CP, 55-gal. dms lb. .54½- .55
smaller, pkgs., works lb. .65 - 1.22
technical, 5-gal. dms., works lb. .32 - —
smaller pkgs., works lb. .40 - 1.00
Tolu balsam, cns lb. 2.40 - 2.75
Toluene (see Toluol).
Tolidin base (see Orthotolidin.)
Toluol, coaltar, industrial and nitration, tanks, works:—
Bethlehem, Pa. gal. .24½- —
Birmingham, Ala gal. .20½- —
Chicago district gal. .23½- —
Cleveland district gal. .23 - —
Dangerfield, Tex gal. .24 - —
Hamilton, Ohio gal. .22 - —
Johnstown, Pa. gal. .23 - —
Lackawanna, N. Y. gal. .26 - —
Philadelphia, Pa gal. .27 - —
Pittsburgh district gal. .20 - —
Sparrows Point, Md gal. .24½- —
St. Louis, Mo gal. .28 - —
Syracuse, N. Y gal. .20½- —
Terre Haute, Ind gal. .25 - —
Woodward, Ala gal. .22½- —
Wyandotte, Mich gal. .24 - —
Youngstown, Ohio gal. .20½- —
Petroleum, industrial, 2°, tanks, works:—
Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va gal. .25½- —
Wood River, Ill. gal. .27 - —
Tonga, 50% bark and vine, bls. lb. .80 - .95
Tonka beans, Angostura, cks lb. 1.75 - 1.80
Brazilian, cs lb. .85 - .90
Surinam, cs lb. .85 - .90
Toxaphene, dms., works, c.l. lb. .24 - —
truckloads, works lb. .24 - —
ton to truckloads, works lb. .27 - —
less than tons, works lb. .30 - —
Totaquine, USP, 100-oz. lots oz. .52 - —
Triacetin, dms., works lb. .38½- .43
Tributyl citrate, dms lb. .41 - .43
smaller containers lb. .46 - .52
Phosphate, dms., c.l., frt. alld. lb. .56½- —
l.c.l. lb. .57½- —
smaller containers lb. .71 - —
Tributylamine, dms., c.l., works lb. .78 - —
l.c.l., works lb. .81 - —
Trichlorbenzene, dms., c.l., works, frt. alld. or equald lb. .10 - —
l.c.l. lb. .11 - —
tanks lb. .08½- —
Trichloroethane, dms., c.l., wks lb. .12 - —
l.c.l., works lb. .13 - —
tanks, works lb. .11 - —
Trichloroethylene, tanks, c.l., frt. alld., zone 1 lb. .10½- —
Zone 2 lb. .11 - —
Zone 3 lb. .11½- —
zone 4 lb. .11½- —
Trichloroethylene dm., c.l., prices ½c. higher l.c.l. 1¼c. higher. Zones are—(1) Conn., Del., Ill., Ind., Ia., Ky., Me., Md., Mass., Mich., Minn., Mo., N. J., N. H., N. Y., N. C., Ohio, Pa., R. I., Tenn., Vt., Va., W. Va., Wis., Omaha, K. C., Kan.; (2) Ala., Ark., Fla., Ga., Kan., La., Miss., Neb., N. D., Okla., S. C., S. D.; (3) Col., Mont., (E) N. M., Tex., Wyo.; (4) Ariz., Cal., Idaho Mont. (W), Nev., Ore., Utah, Wash.
Tricresyl phosphate, coaltar, dms., c.l., dlvd lb. .38 - —
l.c.l., dlvd lb. .38½- —
tanks, dlvd lb. .37 - —
petroleum, dms., c.l., dlvd lb. .38 - —
l.c.l., dlvd lb. .38½- —
tanks, dlvd lb. .36½- .37
Triethanolamine, dms., c.l., frt. alld. E lb. .23 - —
l.c.l., same basis lb. .24 - —
tanks, same basis lb. .21½- —
Triethyl citrate, dms lb. .34 - .36
smaller containers lb. .39 - .45
Phosphate, dms., works, c.l. lb. .38 - —
dms., l.c.l., same basis lb. .39 - —
tanks, same basis lb. .37 - —
Triethyleneglycol, dms., c.l., frt. alld. E lb. .20½- —
l.c.l., same basis lb. .21½- —
tanks, same basis lb. .19 - —
Triethylenetetramine, dms., c.l., works lb. .51¼- —
l.c.l., works lb. .52 - —
tanks lb. .50 - —
Trimethylamine, 25%-40%, dms., c.l., works, basis 100% lb. .38 - —
l.c.l., works, basis 100% lb. .38½- .39
tanks, works, basis 100% lb. .33 - —
Tripentaerythritol, bgs., l.c.l., works. lb. .36 - —
Triphenyl phosphate, bbls., c.l., frt. equald lb. .31 - —
l.c.l., frt. equald lb. .32 - —
Triphenylguanidine, bbls., works lb. .90 - —
Tripoli, air-floated, bgs., c.l., works. lb. .0175- —
double-grd., bgs., c.l., works lb. .016 - —
single-grd., bgs., c.l., works lb. .015 - —
Trisodium phosphate (see Sodium phosphate, tribasic).
Tryptophane, dextro-laevo, fib. ctns., works kilo.207.00 -242.00
Tuba root (see Cube root).
Tungsten metal, powd., 99.9%, dms. works lb. 4.75 - —
Oxide, kgs., works lb. 2.85 - —
Tumeric root, Alleppey, bls lb. .29 - .29½
Haitian lb. .10 - .10½
Madras, bgs. lb. .20 - .21
Turpentine, gum (see Naval Stores Protective Coatings market).
Sulphate, ret. dms., East gal. .50 —
Wood dest. dist., dms., incl., c.l., works, South gal. .40 - .53
l.c.l., same basis gal. .41 - .55
N. Y. whse gal. .55 - —
steam-dist., dms., incl., c.l., works gal. .58 - —
l.c.l., ex whse., NYC gal. 64 - —
tanks, works gal. .54 - —
Tyrothricin, bots. gram. 1.15 - 1.25

U

Urethane, USP, dms lb. 1.75 - —
Unicorn root, false (see Helonias root).
True (see Aletris root).
Uranium oxide, black, bgs lb. 2.55 - —
yellow, kgs. lb. 1.65 - —
Urea, dom., 46% N, bgs., c.l., wks. lb. .04½- —
l.c.l., works lb. .05 - —
Fertilizer compound, 42% N, bulk, c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex. and east ton.94.00 - —
46% N, bulk, c.l., 40 tons, frt. alld. Colo., Mont., Wyo., and west ton.103.00 - —
paper bgs., c.l., 30 tons, frt. alld. Kan., Neb., N. Dak., Okla., S. Dak., Tex., and east ton.98.00 - —
40 tons, frt. alld. Colo., Mont., Wyo., and west ton.107.00 - —
Urea-ammonia liquor, A and B grades, N basis, Belle, W. Va. ton.125.00 - —
C and D grades, same basis, ton.123.50 - —
Uva ursi leaves, bls lb. .11 - .13

V

Valerian root, Belgian, NF, bls lb. .37 - .42
Indian, bls. lb. .32 - .34
Valine, dextro-laevo, dms., works lb.22.50 -27.50
Valonia beards, bgs., ex dock ton. No stocks.
Cups, bgs., ex dock ton.90.00 Nom.
Extract, powd., bgs., ex dock, duty extra lb. .14½ Nom.
Vanadium pentoxide, CP, bgs., cns., works lb. 7.00 - —
tech., dms., works lb. 1.20 - —
Vanilla beans, Bourbon, tins lb. 4.25 - 4.75
Mexican, cuts, tins lb. 4.25 - 5.00
whole, tins lb. 4.00 - 4.25
Vanillin, ex eugenol, tins, 25 lbs lb. 4.00 - —
smaller lots lb. 4.05 - —
ex guaicol, tins, 25 lbs lb. 3.00 - —
smaller lots lb. 3.05 - 3.15
ex lignin, tins, 25-lb. lots lb. 3.00 - —
smaller lots, tins lb. 3.05 - 3.15
Vinyl acetate, 55-gal. dms., works lb. .16½- .17½
5-gal. cns., works lb. .30 - —
tanks, works lb. .15 - —
Trichloride (see Trichloroethane)
Ether (see Ether, divinyl).
Vinylpyridin, ret. dms., works lb. 1.50 - —
Viosterol, bots., 10 billion USP units. mill. units. .025 - —
1 billion USP units mill. units. .03 - —
less than 1 billion USP units. mill. units. .035 - —

Zinc Chloride

FOR USE IN—Preserving wood; Finishing paper and textiles; Flameproofing and dyeing textiles; Galvanizing; Manufacturing vulcanized fibre, batteries and glue.

Zinc Sulphate

FOR USE IN—Fertilizers and orchard sprays; dyeing and printing textiles; Electro plating; Electro galvanizing; making rayon, paint, varnish, glue.

At Wheatland, Pa., Maneely Chemical Company has one of the most efficient, modernly equipped chemical plants in the country.

Glass lined vats and equipment and a new process combine to give a new high in uniformity, purity and quality.

Manco

Maneely CHEMICAL COMPANY

Dept. O · 1300 Bankers Securities Bldg. · Philadelphia 7, Pa.

Plant, Wheatland, Pa.

Vitamin A, natural, acetate, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm., 1,000,000 units. .47 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .50 - —
750,000 to 1,000,000 A units per gm., same basis, 1,000,000 units. .51 - —
A, natural, alcohol, bots., cns., dms., lots of 2,500 million units or more, 200,000 to 400,000 A units per gm., 1,000,000 units. .44 - —
400,000 to 750,000 A units per gm., same basis, 1,000,000 units. .47 - —
A, natural, alcohol, bots., cns., dms., lots of 750,000 to 1,000,000 A units per gm., same basis, 1,000,000 units. .48 - —
A, natural, concentrates, (see Oil, fishliver).
A, synthetic, acetate, 1,000,000 A units per gm., 1,000,000 units. .53 - —
A, synthetic, palmitate, 800,000 A units per gm., 1,000,000 units. .55 - —
Vitamins, A concentrate (see Oil, fishliver).
B, (see Thiamine hydrochloride).
B (see Riboflavin).
B complex, natural (see Rice bran and Yeast).
Vitamin B_6 (see Pyridoxin).
C (see Acid, ascorbic).
D (see Oils, codliver and fishliver, Calciferol, and Viosterol).
D, (See Calciferol).
E (see Alphatocopherol and Oil, wheatgerm).
G (see Riboflavin).
P-F (see Acid, nicotinic, and Nicotinamide).
H (see Biotin).
Violet, methyl toner (see M).
V.M.P. naphtha (see Petroleum naphtna).
Vitamin A (see Oils, codliver, fishliver).

W

Wahoo root bark, bls. lb. 1.80 - 1.85
Tree bark, bls. lb. .55 - .75
Wattle bark, fair average, or E. Afr., bgs., ex dock ton.83.00 - —
merchantable, bgs., ex dock ton.80.00 - —
extract, liquid, 35% tannin, bbls., works lb. .08½- —
tanks, works lb. .08 - —
solid, E. Afr., 61% tannin, ex dock, duty extra lb. .09¼- .09¼
S. Afr., 62% tannin, ex dock, duty extra lb. .09½- .09¼
Wax, amorphous (see Wax, microcrystalline).
Bayberry, bgs lb. No stocks.
Bees, bleached, USP, white, bricks, cs lb. .68 - .69
slabs, bgs. lb. .66 - .67
crude, African, bgs lb. .48 - .49
western hemisphere, bgs lb. .52 - .53
refined, yellow, bricks, cs lb. .59 - .60
slabs, bgs. lb. .57 - .58
Candelilla, crude lb. .42 - .45
refined, bgs lb. .47 - .48
Powdered candelilla, 20 mesh, 5c. per lb. extra; 80 mesh, 5½c.; 100-200 mesh, 6c.
Carnauba, chalky, No. 3, bgs., ton lots lb. .70 - .71
North Country, No. 2, ton lots lots lb. .82 - .83
No. 3, crude, bgs., ton lots lb. .77 - .79
refined, bgs., ton lots lb. .82 - .83
yellow, No. 1, bgs., ton lots lb. 1.08 - 1.10
No. 2 lb. 1.06 - 1.08
Powdered carnauba price differentials same as powdered candelilla.
Ceresin, dms., 132°-136° m.p., bgs lb. .16 - .16½
138°-140° m.p., bgs lb. .18 - .18½
158°-162° m.p., bgs lb. .22 - .23
Japan, bgs lb. .75 Nom.
Microcrystalline, 170°-175° m.p., ASTM, amber, ctns., 20,000 lbs., group 3, works lb. .14 - —
Less than 20,000 lbs., same basis lb. .15 - —
Black, ctns., 20,000 lbs., same basis lb. .12½- —
Less than 20,000 lbs., same basis lb. .13½- —
White, ctns., 20,000 lbs., same basis lb. .25 - —
Less than 20,000 lbs., same basis lb. .26 - —
180°-185° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .16 - —
Less than 20,000 lbs., same basis lb. .17 - —
Black, ctns., 20,000 lbs., same basis lb. .14½- —
Less than 20,000 lbs., same basis lb. .15½- —
White, ctns., 20,000 lbs., same basis lb. .27 - —
Less than 20,000 lbs., same basis lb. .28 - —
190°-195° m.p., ASTM, amber, ctns., 20,000 lbs., same basis lb. .20½- —
Less than 20,000 lbs., same basis lb. .21½- —
Black, ctns., 20,000 lbs., same basis lb. .19 - —
Less than 20,000 lbs., same basis lb. .20 - —
White, ctns., 20,000 lbs., same basis lb. .33½- —
Less than 20,000 lbs., same basis lb. .34½- —
Montan, crude, dom., drums lb. .33 - .34
imported, drums lb. .28 - .30
Ouricury, crude, bgs., ton lots lb. No stocks.
refined, bgs., ton lots lb. .77 - .78
Ozokerite, fabricated, black, 189-190 m.p., bgs lb. .31 - —
182-183 m.p., bgs lb. .29 - —
171-172 m.p., bgs lb. .27 - —
white, 178-183 m.p., bgs lb. .26 - .27
170-172 m.p., bgs lb. .22 - .23
yellow, 180-190 m.p., bgs lb. .25 - .26
182-183 m.p., bgs lb. .20 - .21
178-183 m.p., bgs lb. .21 - .21½
170-172 m.p., bgs lb. .18 - .19
Spermaceti, blocks, cs lb. .33 - .34
cake, cs lb. .34 - .35
White lead (see Lead, white).
White pine bark, rossed, bls lb. .17 - .20
White precipitate, USP, powd., dms., 50 lbs lb. 2.00 - —
Whiting, limestone, dry-grd., 325 mesh, ogs., 40 tons St. Louis, works ton.11.00 - —
40 tons, N. Y. whse ton.19.00 - —
smaller lots, St. Louis, works ton.13.50 - —
wet-grd., air-floated, 99%, 325 mesh, bgs., c.l. ton.14.50 -27.50
200 mesh, bgs., c.l. ton. No prices
90% 200 mesh, bgs., c.l. ton No prices.
water-floated, extra gilders, bgs., c.l. ton.14.50 - —
gilders, bgs., c.l. ton. No prices.
putty grade, bgs., c.l. ton.13.00 - —
surface treated, bgs., c.l., Ohio works ton.30.00 - —
Paris white, bgs., c.l. ton.25.00 -31.00
l.c.l. ton.25.00 -29.00
Precipitated, bgs., c.l. ton.18.00 -20.00
l.c.l. ton.22.00 -25.00
Wild cherry bark, thick, natural, bls lb. .06 - .07
rossed, bls lb. No prices.
thin, natural, bls lb. .15 - .16
rossed, bls lb. .17 - .18
Wild indigo root, bls lb. .30 - .31
Wild yam root, bls lb. .16 - .17
Witch hazel leaves, bls lb. .15 - .16
Woodflour, 40 mesh, bulk, c.l., works, East ton.32.00 - —
l.c.l., same basis ton.40.00 - —
60 mesh, bulk, c.l., same basis. ton.37.00 - —
l.c.l., same basis ton.45.00 - —
80-100 mesh, bulk, c.l., same basis. ton.40.00 -45.00
l.c.l., same basis ton.50.00 -55.00
Woodflour in bgs. extra, returnable.
Woolfat (see Lanolin).
Wormseed, American, bgs lb. .15 - .16
Levant, bgs lb. 4.15 - 4.25
Wormwood, leaves, bls lb. .40 - .45

X

Xanthorrhiza root, bls lb. .28 - .30
Xylene (see Xylol).
Xylenol, 5°-7°, ref. dms., c.l., works, frt. equald lb. .21¾- —
l.c.l., same basis lb. .22¼- —
tanks, same basis lb. .21 - —
45°, dms., l.c.l., frt. equald lb. .24 - —
fractions, ref. dms., c.l., same basis gal. 1.41 - —
l.c.l., same basis gal. 1.44 - —
tanks, same basis gal. 1.30 - —
Xylidins, mixed, dms lb. .45 - .50
Xylol, coaltar, industrial, tanks, works — Bethlehem, Pa gal. .26 - —
Birmingham, Ala gal. .23¼- —
Chicago district gal. .26½- —
Cleveland district gal. .26 - —
Xylol, coaltar, industrial, tanks, works, Dangerfield, Tex. gal. .27 - —
Hamilton, Ohio gal. .25 - —
Johnstown, Pa gal. .24 - —
Lackawanna, N. Y. gal. .24 - —
Pittsburgh district gal. .23 - —
Sparrows Point, Md. gal. .26 - —
St. Louis, Mo gal. .23 - —
Syracuse, N. Y. gal. .23½- —
Terre Haute, Ind gal. .26 - —
Woodward, Ala gal. .25 - —
Wyandotte, Mich gal. .27 - —
Youngstown, Ohio gal. .23½- .25
Petroleum, industrial, 10°, tanks, works:— Albany, N. Y. gal. .28 - —
Bayonne, N. J. gal. .28 - —
Baytown, Tex. gal. .25 - —
Chicago, Ill. gal. .27 - —
Detroit, Mich. gal. .28 - —
Philadelphia, Pa. gal. .28 - —
Providence, R. I. gal. .28 - —
Sewall's Point, Va. gal. .25½- —
Wood River, Ill. gal. .27 - —

Y

Yaca, yara, cns lb. 2.00 - 2.25
Yeast brewer's dry, USP, 50 B units, per gram, 100-lb. dms lb. .44 - .46
90 B units, per gram, 100 lb. dms lb. .49 - .51
200 B units, per gram, 100 lb. dms lb. .53 - .55
300 B units, per gram, 100 lb. dms lb. .57 - .59

Vitamin A—Yellow, Iron Oxide

Yellow, barium chromate, CP, bgs., l.c.l., dlvd. N. of Tenn. and N. C., E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul lb. .32 - —
Barium chromate yellow price differentials in other States and city zones are those for chrome yellow below.
Benzidin, bbls., dlvd lb. 1.60 - 1.70
Cadmium, CP, all shades, bbls., frt. alld. E. of Rockies lb. 2.65 - —
Lithopone, all shades, bbls., frt. alld. E. of Rockies lb. .95 - —
Cadmium yellows, Los Angeles and San Francisco, ex whse. l.c. per lb. higher.
Chrome, CP, bbls., dlvd. N. Tenn. and N. C. E. of Miss., including Davenport, Minneapolis, Rock Island, St. Louis, St. Paul, contracts lb. .32 - —
Dlvd. Ala.; Fla., Ga., La., (Shreveport) 1½c. higher; Miss., N. C., S. C., Tenn., Dallas, Tex., 1½c. higher; Ft. Worth, Tex., 1½c. higher; El Paso, Tex., 2c. higher; Cedar Rapids, Des Moines, Kansas City, Lincoln, Omaha, St. Joseph, 1.6c. higher dlvd, Pac. Coast; for Denver, Pueblo, Salt Lake City, Wichita prices are equalized with Chicago.
Hansa, bbls., same basis as chrome lb. 1.60 - 1.70
Primrose, bbls., same basis lb. 1.90 - 2.10
Iron oxide natural, bgs., c.l., works lb. .0141- 0250
l.c.l., works lb. .0166- 0275

—Continued on page 62

For YOUR Water-Mixed Paints CHOOSE...
...ZINC SULFIDE PIGMENTS for 8 REASONS

Water-mixed paints based on Zinc Sulfide pigments have good hiding power.

GOOD HIDING power of white or tinted water-mixed paints provides one-coat coverage over many surfaces. This property is dependent upon the judicious selection and use of white hiding pigments—so most water-mixed paints are based on Lithopone and other Zinc Sulfide pigments. The Horse Head line contains the most complete range of such pigments, especially developed for use in water-mixed paints:

Albalith 332 . . . . . Lithopone
Cryptone BA-340 . . . . . High Strength Lithopone
Cryptone ZS-830 . . . . . Tech. Pure Zinc Sulfide
NOW AVAILABLE

Good hiding is just one of the many features that make Lithopone and other Zinc Sulfide pigments the most used in interior water-mixed paints.

7 OTHER REASONS: QUICK MIXING • GOOD DISPERSION COMPATIBLE WITH VEHICLES GOOD PACKAGE STABILITY • EASY TO SPREAD • CLEAR TINTS • GOOD CLEANSING

HORSE HEAD PRODUCTS

THE NEW JERSEY ZINC COMPANY
Founded 1848
160 Front Street, New York 7, N.Y.

Oil, Paint & Drug Reporter

Founded October 18, 1871, by William O. Allison
Directed 1900-1942, by Harry J. Schnell
Incorporating Drug Paint and Oil Trade, The New York Drug Bulletin, The Weekly Drug News, New York Druggists' Price Current, The Soap Makers Journal, Oil and Paint Review, and International Petroleum Reporter.
Member of Audit Bureau of Circulations

Copyright 1949 by

SCHNELL PUBLISHING COMPANY, INC.
WILLIAM S. AUCHINCLOSS, *President*
59 John Street, New York 7, N. Y., U. S. A.
Telephone: REctor 2-9820; Cable Address: Reporter, New York

Volume 155 May 9, 1949 Number 19

Government by Law

Many of the things for which the ever-seeking pursuer of human reform or political advancement repeatedly declares there ought to be a law would far better be disposed of by public-spirited individual action. Most of them could quite easily thus be settled. All should thus be handled. As has been said here before, the extent to which the people of this country must be policed is a regrettable reflection upon the efficacy of self-government.

Comes now a bill in Congress (HR. 4149) to prohibit the transportation of certain highly combustible fabrics in interstate commerce. Its provisions would apply only to fabrics designed and used for personal wear, not including interlinings not exposed in use. So, this is a mild measure of restraint upon something which nobody should even consider doing. The dangers of combustible clothing fabrics have been deplorably demonstrated for years. Why should it be necessary to set up a statutory block against them? It is more difficult to understand the attitude of the makers of children's toys who recently opposed a proposal that such articles should not be made of combustible materials.

Science has done much, and can do more to lessen the hazards of combustibles. But, seemingly, only law can get anything done about it. Government by laws; that's the thing! Men cannot, or will not, govern themselves.

Government Paint Standards

The Federal government has set out to advise buyers of house paints how to make satisfactory selections of such products. Through the Department of Agriculture, it has issued a so-called "technical" bulletin with the ambitious title, "Classification of House and Barn Paints." A supplementary report by the Forest Products Laboratory, with the still farther-reaching title, "A Standard of Quality for House Paint," endeavors to convince the public of the value of the departmental classification as a criterion of performance.

The major objection to this governmental undertaking arises from the fact that quality cannot be standardized. Oh, yes; there are standards of quality; but they are that only in name. Some of them are standards of composition; some, of purity; some, of appearance. Quality is none of those, and it does not always parallel any of them. There is only one test for the quality of a paint; that is its performance in the utilization for which it is desired. The composition of the paint, of course, has something to do with its performance. But, that is not a mere matter of the names and the proportions of the components. Pigments, vehicles, tinters, driers, extenders—all can, and do, vary widely in paint value according to physical or even slight chemical differences. A good paint is the product of proper components, properly selected and properly compounded; how it is made is no less important than what it is made of.

The Scientific Section of the National Paint, Varnish and Lacquer Association has issued a very informative critical commentary on the governmental classification of paints. It points out that, aside from a puzzling, largely unintelligible method of designating paints on the basis of composition, the "official" classifications grade the products on theoretical, rather than practical bases, and, therefore, can often be misleading with respect to satisfactory performance. Classifications, whatever their intelligibility, are one thing; standards, or grades, are quite another thing.

The Federal government, in its various departments, has had more than a little experience in the manufacture of paints and much more experience in the procurement of paints on the basis of formula specifications. Maybe the Department of Agriculture was not informed regarding that experience, in both directions. There is a question, also, on why the department did not consult or advise with the paint industry in the construction of paint standards—the classifications, assumably, are intended to be standards of some kind, even though they are not standards of quality. One of the significances of this venturing into the fields of standardization is its testimony to the fact that all industries would be well advised to do a good job of standardizing for themselves. The drug industry learned that truth more than a century ago.

Coal Is If You Get It

Perhaps the action of the Southern mine operators had something to do with the case. It may have reflected a flash of prescience with respect to the attitude of Congress toward labor legislation. Whatever the motivating influence, the fact that the czar of coalmining has made a gentlemanly approach to the negotiating of new contracts is something to think about. It is not, however, something by which to be encouraged, even though the subsequent handling of relevant Federal legislation may look like mural chirography. "Old King Coal" has been known to start softly and revert to type on more than one occasion.

Also, it is a bit on the optimistic side to look upon the relatively slight congressional leaning toward existing restraints on labor lords—sometimes called leaders—as a sign that the people of the United States will be assured proper participation in the benefits to be got from the bituminous, or anthracite, fuel which is one of their most naturally abundant resources. Coal has a big place in the commercial economy of the nation. The socioeconomic role of its production, distribution, and use is one of great importance and necessity. And there can be no overevaluating of the politicoeconomic status of everything and everybody that has to do with coal. It is most wise to keep well forward in mind the fact that one of the very few national businesses in which the Federal government has deemed it desirable and necessary to engage was the mining of coal. Elections have been won—or lost—for far less ominous reasons.

It is well to know, in any consideration of tomorrow's coal, that there is a bill in Congress (H.R. 3418) designed, as stated in the title, "to allow, in the case of miners working underground, an income tax deduction with respect to work clothes." Of course, that gesture of generosity is not confined to coal; but, the majority of those to be so uniquely favored are in that kind of mines. So, the politicoeconomics of the coal outlook does not wholly present an aspect of severity.

There is another relevant bill in Congress (H.R. 4468), which would provide for a series of postage stamps commemorating coalminers and the coal industry. What with all the inability of wind and water, mud and miasma, and what not to stay the plodding postman on his routine rounds, how come those who sometimes seek there to be more powerful by cutting off the supply of fuel for mailtrains are deemed worthy of a postal decoration?

So, there may be curtailment of coalmining along about the time this great nation takes up its annual commemoration of the birth of freedom in the Western Hemisphere. And who knows what may be done in any or all areas of the economy to determine whether next Winter's frigidity must be opposed with coal or oil? Science is long overdue on the job of providing a practicable quick-conversion heating apparatus at a possible price.

Washington Talks It Over

—*Continued from page 5*

ing. In 1948, a ceiling of $37,200,000,000 was set, only to be ignored as Congress appropriated $1,000,000,000 in excess of that amount. This year no attempt at all to set a ceiling has been made.

Framers of the reorganization act meant well, but they were dealing with a question of human nature and the right of a congressman not to be bound by his actions, so there is small wonder the plan is to be scuttled.

Senate Goes Economical

A stronger movement for reducing government spending has developed in the senate than in the house, this year, which is exactly contrary to all past performances of the two legislative bodies. It has always been the senate that has nullified house efforts to reduce the Federal budget, but it looks now as though the tables may be turned.

First signs that a revolt against a continuously mounting budget is actually underway came during consideration of the labor security agency appropriation bill last week. The movement started from a statement of Senator Walter F. George of Georgia, chairman of the senate's tax committee, opposing Mr. Truman's request for increased taxes and calling for cuts in expenditures, and came to a head on the labor-security bill.

The senate sent the bill back to its appropriations committee with directions to reduce the total amount to be appropriated by 5 percent. This in itself was a most unusual procedure, but the vote for recommitting the bill was even more surprising. The economical bloc mustered almost a two-thirds majority vote, even though the administration had been forewarned and expected the recommittal motion.

It may be that the appropriations committee will take notice of the movement and reduce each of the remaining supply bills 5 percent before reporting them to the senate. If it doesn't, it will face an uphill fight to get them passed, because the economy bloc means business.

Bread Upon the Waters

It is feared by some that ECA may be going a little too far in financing new industries abroad. American industry may be regretful of the actions now being taken because of the competition it will face from foreign suppliers.

The main purpose in financing new industries by ECA is to give a boost to the economy of the Marshall plan countries and make them less dependent upon outside sources for their material, but a number of the projects, including several in the chemical field, are said to be beyond this objective. Not only are they designed to meet the immediate needs of the particular country, but they also aim at producing highly beneficiated materials for export specifically to the hard currency areas.

This means that in the years to come some of the dollars we now are granting to Europe will come back to us in the form of finished materials directly in competition with our own production. Potassium and phosphatic salts are among chemical items that may show up on American markets in later years with foreign labels on them.

Latin American Exchange Data

The Office of International Trade has started a new service for exporters to provide current information on exchange problems in Latin America. Thirteen countries are covered in the first leaflet just issued, giving up-to-date information on such matters as exchange permits, exchange control regulations, balance of payments, and tariff rates as they relate to foreign exchange.

The agency hopes to keep the information current by issuing revisions of the leaflet when necessary because of changes in the Latin American exchange situation. Countries covered in the current summary are Argentina, Bolivia, Brazil, Chile, Colombia, Costa Rica, Ecuador, Guatemala, Mexico, Nicaragua, Paraguay, Peru and Uruguay.

Copies of the leaflet, entitled "Latin American Exchange Situation," can be obtained upon request from any of the department's field offices.

How Wheat Agreement Works

The international wheat agreement, which the senate ratified earlier this year, has given rise to talk of similar agreements being entered into by the United States with other nations in other commodity fields. The talk is not without foundation. The Food and Agricultural Organization is actively studying the possibilities of agreements for sugar, coarse grains, rice, cotton, fats and oils, coffee, rubber, wool, dairy products, cocoa, and tea.

What is a commodity arrangement or agreement? There is no set pattern. It might range from operation of a multilateral, longterm contract to a simple consultative arrangement, where the nations agree to get together periodically to analyze the supply-demand position and publish statistics for the information of all nations.

The wheat agreement is the contract type. Exporting nations agree to supply importing nations with set quantities of wheat at a prescribed maximum price upon receiving a demand from the importer for delivery at that price. Importing nations agree to purchase from exporting nations the same set quantities at a prescribed minimum price upon receiving a demand from the exporter for them to take delivery at that price. Trading can continue as usual at prices between the maximum and the minimum, and purchases and sales within the price bracket count in the fullfilment of the quantity obligations of the exporter and importer respectively.

The general purpose is stabilization—to assure markets at fair prices to farmers in the exporting countries and to assure wheat supplies, again at fair prices, to consumers in the importing countries.

New Methods of Synthesis

BRING YOU RESULTS

...for which Pfizer is famous.

As a result of recent developmental work, the following Pfizer products are now produced in commercial quantities by new methods of organic synthesis:

Theophylline U.S.P.

Principally useful as a diuretic, but exhibits other stimulant effects because of its close relationship to caffeine. Widely employed in conjunction with mercurial diuretics and for the preparation of Aminophylline U.S.P.

Acetophenetidin U.S.P.
(Phenacetin)

Widely employed as an analgesic for the relief of pain, and for its action on the heat regulatory centers. It also reinforces the analgesic action of the opiates when they are used for the relief of pain originating in the nervous system.

Caffeine U.S.P. Anhydrous

Primarily indicated as a stimulant in the treatment of certain nervous, cardiac, respiratory, renal and muscular diseases. The anhydrous form is most acceptable for the formulation of tablets, capsules and ampules.

Citrated Caffeine U.S.P.

A mixture of the alkaloid caffeine and citric acid; advantageous for certain uses because of its greater solubility and stability.

If your processes or end products call for these or other purine derivatives, and you are interested in purity and availability we would welcome correspondence. Write: Technical Service Department, Chas. Pfizer & Co., Inc., 630 Flushing Avenue, Brooklyn 6, N. Y.; 211 E. North Water Street, Chicago 11, Illinois; 605 Third Street, San Francisco 7, California.

PFIZER

PFIZER QUALITY

Manufacturing Chemists Since 1849

COLUMBIA

PACIFIC BRAND
BORAX
GRANULAR • POWDERED
100 LB. PAPER BAGS

PITTSBURGH PLATE GLASS COMPANY
COLUMBIA CHEMICAL DIVISION
FIFTH AT BELLEFIELD • PITTSBURGH 13, PA.
BOSTON • CHARLOTTE • CHICAGO
CINCINNATI • CLEVELAND • MINNEAPOLIS
NEW YORK • PHILADELPHIA • PITTSBURGH
SAN FRANCISCO • ST. LOUIS

COLUMBIA CHEMICALS
PAINT • GLASS • CHEMICALS • BRUSHES • PLASTICS
PITTSBURGH PLATE GLASS COMPANY

FINEST QUALITY
BICARBONATE OF SODA
SAL SODA (Carbonate of Soda Crystals)
MONOHYDRATE OF SODA
CHURCH & DWIGHT CO., Inc.
70 PINE STREET Phone Digby 4-2181 NEW YORK 5, N. Y.

SILICATE OF SODA
40° and 60°
EXPORT - DOMESTIC
TURPENTINE - LINSEED OIL - MINERAL SPIRITS
CHAS. L. READ & CO., Inc. 120 Greenwich St., New York 6, N. Y.
Telephone: WOrth 4-1131

POTASSIUM CHLORATE
SODIUM CHLORATE
Prompt Delivery from New York Warehouse Stocks
DUFF CHEMICAL COMPANY, INC.
342 MADISON AVE., N. Y. 17 • MUrray Hill 7-6502-3-4
Cable Address: "CHEMDUF"

MERCHANTS CHEMICAL COMPANY, INC.
INDUSTRIAL CHEMICALS
60 East 42nd Street, New York 17, N. Y.
Caustic Potash
CHICAGO (11)—435 No. Michigan Ave.
CINCINNATI (2)—216 Elm St.
DENVER (11)—1211 West 44th Ave.
DETROIT—4000 West Jefferson Ave.
MILWAUKEE (4)—1100 So. Barclay St.
MINNEAPOLIS (13)—110 N. E. Sixth St.
OMAHA (8)—702 So. 10th St.
STAMFORD, CONN.—Elm Court

Heavy Chemicals

Chemical index number declined last week to 227.6, compared with 228.9 in the preceding week, 232.2 a month ago and 208.3 for the corresponding week in 1948. There were no price advances. The downward revisions included commercial grades of the various strengths of acetic acid, aluminum chloride anhydrous, gray sal ammoniac, copper metal, copper chloride anhydrous and crystals, zinc ammonium chloride and zinc sulphate crystals, flaked and powdered. The trade is looking for declines in some of the other copper based chemicals but no announcements came through during the past week.

Buying interest in industrial chemicals continued down with no apparent sign of improvement in sight at present. The tonnage moving is said to be considerably below that of a year ago at this period. Exempting cadmium, their is not an item under the heavy chemical classification that can be described as actually tight. Production in soda ash and caustic soda and other chemicals affiliated with these basic products has been cutback. Estimates placed the reduction in output at 20 percent but so far this has not been reflected in the overall supply situation although it has contributed toward keeping the markets in balance. It is stated that the loss in buying power stems from consuming plants in the glass, paper, textile and other industries where inventories are believed to be generally heavy. Market observers are not expressing views that can be construed as optimistic and some are of the opinion that it may be some time before a turn for improvement occurs.

Paper production based on a percentage of six-day capacity was 82.3 percent for the week ending April 23, according to the American Pulp and Paper Association. This compared with 83.3 in the preceding week and 103.5 for the corresponding week in 1948.

Aluminum Chloride — Prices for the anhydrous grade have been reduced. Carlots are priced at 10c. per pound and at 10½c. for smaller quantities f.o.b. the works. Crystals remained at 6½c. in carlots and 6.90c. for less, f.o.b. the works.

Ammonia Liquor — March production was placed at 4,172,572 pounds by the Bureau of Mines. February output was 3,930,968 pounds and in March, 1948, production amounted to 4,179,241 pounds. Total output for the first quarter of 1949 was 12,414,775 pounds, compared with 12,348,182 for the corresponding period a year ago. Sales in March were given at 3,402,630 pounds, against 2,683,412 in the preceding month and 4,278,551 in March, 1948. Sales for the first quarter totaled 9,417,145 pounds, compared with 11,817,340 for the same time in 1948. Stocks on March 31 were 961,404 pounds, against 1,389,386 on February 28 and 1,441,621 at the close of March a year ago.

Ammoniac, Sal — Lower prices for the gray variety have been established. The carlot price is now $7.05 per 100 pounds and the l.c.l. price is $7.45 f.o.b. the works. The white grade continued quiet and unchanged in price.

Calcium Chloride — Relaxation in demand is said to be the result of stocks held by consumers. The prolonged period of shortage inspired the building up of inventories and consumers are now reported to be drawing against these stocks to a considerable extent. Supplies are free and available for immediate or prompt shipments.

Chlorine—Warmer weather has brought out more inquiry for water processing, but demand has not been of a character to appreciably tighten the supply situation to date. Buyers have not found it much of a problem to secure cylinders or tankcars for prompt shipment.

Copper Chloride—Priced lower on account of reduction in metal quotations. The anhydrous grade is now priced at 27½c. per pound in barrels and crystals at 18¾c. in barrels, works.

Copper Sulphate—Sales for agriculture were satisfactory last week with contracts being booked at prices prevailing at time of shipment. In one producing quarter it was stated that the last week in April, sales aggregated 1,000,000 pounds. Inquiries from Maine are now reaching producers and sales of 10 carlots for Florida have been made since the turn of the month. Industrial demand has relaxed to some extent with buying operations confined to actual wants. No new export sales were reported. Stocks at present are adequate to meet the current demand promptly. No additional change in prices could be noted during the past week. Present prices are based on 19c. copper and future quotations will be regulated by developments in the metal.

Potash, Caustic—More supply than demand at present and at least one of the major plants has shut down to prevent additional stock accumulations. The principal inquiry has come from the soap trade where a fair amount of liquid is being shipped.

Potassium Carbonate—Supply situation appeared somewhat easier under a modified demand from the glass specialty trade. Stocks of solid, flaked and other dry forms were readily available for prompt shipment. Liquid continued neglected so far as the textile mills were concerned.

Potassium Chlorate — Match factories are getting all the chlorate they desire at the present time without causing any unusual pressure at producing plants. Aggregate shipments have remained below the seasonal average and probably will remain so until the price of matches shows more indication of stabilization.

Soda Ash—Stocks of both light and dense soda ash remained free for immediate and prompt shipments regardless of cutback production. Industrial demand has not improved since the turn of the month and prospects at present give no indication of increased shipments to the major consuming industries. Carlot prices have continued firm backed by the maintenance of high producing costs.

Soda Caustic—Consuming demand has continued down with the tonnage moving below the level expected at this period of the year. There is no intention to build up consumer inventories at present and the outlook does not suggest any nearby expansion in shipments. Like soda ash, high producing costs have been a strengthening influence to firm carlot prices.

Zinc Ammonium Chloride — Priced lower as a result of reduced producing costs occasioned by the lower market for zinc. Now listed at $7.05 per 100 pounds in carlots and $7.45 for less, f.o.b. the works.

Zinc Chloride—Prices have been reduced 50c. per 100 pounds for all grades. Technical fused is now listed at $7.50 per 100 pounds in carlots, granular $8.25 and solution at $4.05 with tanks at $3.40. Less than carlots command 40c. above carlot figures. All prices are f.o.b. the works. Lower zinc metal accounted for the decline.

Zinc Sulphate—Prices have been revised to a lower level for all grades. Weakness in the metal market has forecasted a downward revision for the past three weeks. Crystals are listed at $4.55 per 100 pounds in carlots and at $4.95 in less, flaked $5.50 in carlots and $5.70 in less, both f.o.b. the works. Powdered is priced at $7 in carlots and at $7.40 in less, delivered.

Acids

Acetic—Commercial grades have been lowered in prices as a result of the recent decline in glacial. Suppliers list 28 percent at $4 per 100 pounds in barrels, 56 percent $7, 70 percent $8.40 and 80 percent at $9.40. Glacial C.P. in drums is priced at $11.50, f.o.b. the works. Current supplies adequate to meet consumer requirements promptly.

Butyric—Maintained a balanced posi-

For Late Market Developments, See Page 4

Market Trends

Prices Advanced

None

Prices Reduced

Acetic acid, commercial, 28 percent, 50c. per 100 lbs.
56 percent, 90c. per 100 lbs.
70 percent, $1.20 per 100 lbs.
80 percent, $1.45 per 100 lbs.
Aluminum chloride, anhydrous, 1½c. per lb.
Ammoniac sal, gray, 45c. per 100 lbs.
Copper, electrolytic, 1½c. per lb.
chloride, anhydrous, 1½c. per lb.
crystals, 1¼c. per lb.
Zinc ammonium chloride, 45c. per 100 lbs.
chloride, $1.00 per 100 lbs.
sulphate crystals, 70c. per 100 lbs.
flaked, 75c. per 100 lbs.
powdered, $1.50 per 100 lbs.

Comparative Price Indexes

(100—August 1, 1914)

General Chemicals

Last week	Prev. week	Last month	Last year
227.6	228.9	232.2	208.3

Acids

Last week	Prev. week	Last month	Last year
122.0	122.0	122.8	119.9

(*For Current Prices see Page 9*)

AMMONIA
(Refrigeration Grade)

TANK CARS and CYLINDERS

direct service from producing point to user available on contract shipments or spot orders from...

SPENCER
SPENCER CHEMICAL COMPANY
Executive and Sales Offices
Dwight Bldg., Kansas City 6, Mo.

tion with stocks meeting curent requirements promptly. Carlots are listed at 34½c. per pound in drums and l.c.l. at 35c. Tankcars are priced at 33c. per pound. All prices are f.o.b. the works.

Chromic — Supply situation improved sufficiently to permit prompt shipments to domestic platers. Demand has relaxed from its recently established high level while prices have been firmly sustained.

Hydrocyanic — Available at $1 per pound in cylinders, f.o.b. the works. Stocks not excessive but sufficient to meet the current extent of consuminng demand.

Hydroxyacetic — Sales of 70 percent technical in non-returnable barrels are reported on the basis of .084c. The 100 percent test in tankcars is listed at .085c. per pound basis Belle, West Virginia.

Oxalic — Demand and supply for domestic use have continued in balance. Producers are in a position to take on additional orders for prompt or immediate shipments at current prices.

Sulphuric — Production has continued adequate to meet requirements promptly in most areas. Inquiry has relaxed to some extent although demand from the iron and steel industry and from producers of superphosphate has been well sustained.

Non-Ferrous Metals

Cadmium—Supplies of this metal have remained short of requirements. It is stated that recent cutback in production of zinc and lead occasioned by labor difficulties has checked the building up of inventories and that demand has been fed from production. The entire domestic supply of cadmium is recovered concurrently with the treatment of ores of other metals as a byproduct from the flue dusts of zinc-blende roasting furnaces and lead blast furnaces, from zinc dust collected in the early stages of distillation in zinc retorts and from the sludges of electrolytic zinc plants. A small quantity of secondary metal is recovered from bearings and other alloys but constitutes no great part in the total supply.

Copper—Prices have been lowered to 18½c. per pound for electrolytic with the range extending upward to 23½c. It was stated that demand had shown no significant expansion at the lower level and production has been cutback by some refiners to check the accumulation of stocks. The price outlook at present is uncertain with consumers apparently satisfied to await future developments.

Lead—Market position quiet. Government purchases appear to have exerted a steady influence on prices, temporarily at least. Large users of lead, including the battery trade, are buying for current wants. Marginal producers of lead have cutback production.

Domestic lead consumption dropped 9 percent in January, compared with the preceding month, and was 5 percent below the 1948 average monthly rate, according to the Bureau of Mines. Most of

CCI
SULPHURIC ACID
ALL GRADES AND STRENGTHS
HIGH QUALITY
CONSOLIDATED CHEMICAL INDUSTRIES INC.
ADDRESS INQUIRIES TO: 640 MELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.
CCI

Everyone has problems

"Go ahead, pop . . but this will probably ruin me emotionally!"
VICTOR CHEMICAL WORKS

Manufacturers of
Red and Black COPPER OXIDE
COPPER SCALE
ROBERT A. COUPE, 260 Rhode Island Ave., Pawtucket, R. I.
Telephone PErry 3354

WHITE ARSENIC
MIN: 99%
for
prompt shipment
from Portugal
Enquiries To:
METALLO CHEMICAL REFINING CO., LTD.
Palmerston House, Bishopsgate
LONDON E. C. 2 ENGLAND
Cable Address "Metalrefin London"
Agent for the U. S. A.
EUROPEAN CHEMICAL CO., INC.
366 Broadway
New York 13, New York

If yours happens to be chrome tanning... Investigate
VICTOR PROTAN® SODIUM FORMATE

Leather tanners all over the U. S. and Canada are effectively employing Victor Protan sodium formate as a masking agent in chrome tanning. Careful laboratory work and regular plant use have proved that Protan sodium formate provides a more rapid tannage, greater exhaustion of chrome and increased yield of footage. It also makes possible more uniform tannage and a smooth grain with a full, round feel. Additional information and experimental samples are available. Write or fill in and return the handy coupon.

VICTOR CHEMICAL WORKS • 141 West Jackson Boulevard, Chicago 4, Illinois

Investigate Now! MAIL THIS COUPON TODAY!

Victor Chemical Works
141 West Jackson Blvd., Chicago 4, Illinois
Gentlemen:
Please Check
☐ Send additional information on Victor Protan sodium formate for chrome tanning.
☐ Sample of Protan sodium formate.
Name Title
Company
Street
V3 City Zone State

POTASH ALUM

Lump • Nut • Pea • Granular • Powdered

Bags • Barrels • LCL • Carloads

CONSOLIDATED CHEMICAL INDUSTRIES INC.

ADDRESS INQUIRIES TO: 640 MELLIE ESPERSON BLDG., HOUSTON 2, TEXAS
OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

PRUSSIATE OF SODA

HENRY BOWER CHEMICAL MFG. COMPANY

30TH & GRAYS FERRY RD. PHILADELPHIA 46, PENNA.

METOL

Monomethylparaminophenol Sulphate
Registered Trade-Mark

TANNIC ACID • GALLIC ACID

(U.S.P. and Technical Grades)

PYROGALLIC ACID • HYDROQUINONE

ZINSSER & COMPANY, Inc.

HASTINGS-ON-HUDSON, NEW YORK

the decline was in the manufacture of metal products where consumption was almost 10,000 tons under the December figure.

Of the 84,910 tons of lead consumed in January, 71 percent was used in the manufacture of metal products, 15 percent in pigments, 11 percent in chemicals including tetraethyl fluid, and 3 percent in miscellaneous and unclassified uses. After exclusion of 1,120 tons of lead used in the production of leaded zinc oxide, most of which came directly from ore without first being reduced to metal, approximately 65 percent of the lead consumed was refined soft lead, 21 percent antimonial lead and 14 percent lead in scrap, drosses and alloys.

The decrease in consumption of lead was due principally to a 7,500-ton reduction in use for batteries. In December, 27,308 tons were consumed in this product, but in January the total was 19,785 tons. Consumption in pigments was only slightly higher in January, but in tetraethyl fluid the total was 18 percent higher than in December and 33 percent above the 1948 monthly average.

Lead Scrap—Activity at secondary lead smelter plants remained high in January although receipts of scrap were down 8 percent and consumption 5 percent, according to the Bureau of Mines. Recovery of 44,796 tons of lead, tin and antimony, while 4 percent under the December total, was higher than the average monthly recovery of any year since 1942. January production of the secondary lead industry totaled 51,910 tons consisting of 37,111 tons of secondary metals, 7,689 tons of fabricated products and 7,110 tons of pig, bar or ingot containing 50 percent or more of primary metal. In the latter figure is included an estimated 4,724 tons of secondary metal recovered at plants producing mostly primary lead-base products. Primary metals used with scrap in production of all products totaled 7,275 tons and secondary metals recovered 44,796 tons.

Quicksilver—Important buying interest was lacking in this market and no new price changes were recorded. The range extended from $83 to $86 per flask, according to quantity and seller.

San Francisco—Prices are steady, market fairly tight. Metal was quoted at $87 per flask, f.o.b. this city.

Silver—No new developments featured this market last week. Supply and demand continued about in balance. The official closing price for silver bullion in the New York market was 71½c. per ounce.

Silver Bullion Price Range

	Per ounce	
	New York	London
High	Feb. 14, 1949—71½c.	Feb. 14, 1949—42⅝d.
Low	Jan. 1, 1949—70c.	Jan. 1, 1949—42⅜d.

Tin Scrap—Bureau of Mines reported an increase of 29 percent in January receipts of tin-base scrap brought the total, 633 tons, to the highest point since August, 1948. Most of the increase occurred in tin babbitt receipts which were more than doubled. Consumption decreased 20 percent in January to 436 tons and smelters' stocks at the end of the month totaled 1,510 tons, a gain of 15 percent.

Zinc—Light buying is about the best that can be said of this market. Prime western was listed at 12½c. per pound East St. Louis. While the outlook remained uncertain, it was stated that no drastic reductions in price are expected in the immediate future.

HENRY SUNDHEIMER COMPANY

FLUORINE SPECIALISTS SINCE 1904

Sodium Aluminum Silico Fluoride

Ammonium Silico Fluoride

Magnesium Silico Fluoride

Sodium Silico Fluoride

Zinc Silico Fluoride

Potassium Silico Fluoride

103 Park Avenue
New York 17, N. Y.

MUrray Hill 5-4214

Hydrochloric Acid

C. P. AND COMMERCIAL

Salt Cake

BAY CHEMICAL COMPANY

A DIVISION OF MORTON SALT COMPANY

1048 CONSTANCE ST., NEW ORLEANS 9, LA.

THE "COMING" BUYER'S MARKET IS HERE!

What action are YOU taking on SURPLUS INVENTORY?

If your problem is:

OVERPRODUCTION

EXCESS OR DISCONTINUED RAW MATERIALS

CONCERN OVER DECLINING MARKETS

BARCLAY Can be of Service to You, Because

1. We have available substantial CASH FUNDS for the immediate purchase of unlimited quantities of *CHEMICALS, DRUGS, OILS, PIGMENTS, SOLVENTS, RESINS, PLASTICS, WAXES, ETC.*
2. We have served leading Manufacturers and Consumers for more than 25 years.
3. Our service is confidential. We offer you an immediate market for your excess production or inventory, during a period when consumer demand is limited.

WRITE, WIRE OR PHONE

Barclay CHEMICAL COMPANY, INC.

77 VARICK STREET NEW YORK 13, N. Y. • WO 4-5120

Pennsalt Develops New Chlorinated Hydrocarbons

Development of a series of new chlorinated hydrocarbons has been announced today by Pennsylvania Salt Manufacturing Company, Philadelphia. First of the series to come out of the company's Whitemarsh Research Laboratories is a clear, viscous resinoid, with good thermal stability and showing no hydrolysis during sixteen hours' contact with water at room temperature and at 100 degrees C. The product is known as Chlorinated Hydrocarbon-70.

It has no flash point and no fire point, is compatible with such resins as vinyl chloride, styrene and rosin, and at room temperature is completely soluble in most alcohols, ketones and hydrocarbons, according to the company.

The new chlorinated hydrocarbons have properties which suggest their use in many industrial applications, among which are: as a plasticizer; as a flame retardant; in the manufacture of adhesives; and in other formulations for the impregnation or coating of wood products, textiles and paper, a company spokesman said. Samples and literature are available free of charge. Requests should be directed to Pennsylvania Salt Manufacturing Company, Market Research Department, 1000 Widener Building, Philadelphia 7, Pa.

Sodium Trifluoroacetate Being Made by Hooker

The Hooker Electrochemical Company, Niagara Falls, N. Y., has commenced pilot plant production of sodium trifluoroacetate. A white, odorless, noncorrosive, free flowing powder, the compound's properties suggest the possibility of its application in the preparation of many chemicals, the company states. The salt is nontoxic and is 98 percent to 99 percent pure. It is hygroscopic, and when converted to the acid is highly ionized. Technical data sheet number 377, describing the salt, is available from the company.

Potassium Cyanate Data Issued

The new products department of American Cyanamid Company, New York, has published a bulletin describing physical and chemical properties of potassium cyanate. Potassium cyanate has been used as an intermediate in synthetic chemistry and as an agricultural chemical, the company said, but it is felt that it may find many additional applications in such fields as production of pharmaceuticals, surface active agents and baths for treating metals. Copies of the bulletin are available upon written request.

Kay Joins Armour Foundation

Dr. Otto Kay, former senior chemist in research and development for the Solvay Process Division, Allied Chemical & Dye Corporation, Syracuse, N. Y., has joined the staff of Armour Research Foundation of the Illinois Institute of Technology. He will be engaged in research and development work in extraction metallurgy in the metals department, specializing in titanium.

ELBERT & CO.
INCORPORATED
SPOT AND FUTURE
Vegetable Black Pigments
White Arsenic
Sodium Sulphide
Crude Naphthalene
(Hot Pressed, 78° - 78.9°)
Ortho Cresol
Sodium Cyanide
2 Broadway, N. Y. C.
DIgby 8-2670

SILICON TETRACHLORIDE
Stauffer CHEMICALS SINCE 1885
BHC (Benzene Hexachloride)
Borax
Boric Acid
Carbon Bisulphide
Carbon Tetrachloride
Caustic Soda
Chlordane
Chlorine
Citric Acid
DDT (Dichloro Diphenyl Trichloroethane)
Sodium Hydrosulphide
• Sulphur (Specially processed for all industrial and agricultural uses)
• Sulphur Chloride
• Sulphuric Acid
• Tartaric Acid
• Textile Stripper
• Titanium Trichloride
• Toxaphene (Chlorinated Camphene)
• 2,4-D (Acid, Isopropyl Ester, Amine Salts)
STAUFFER CHEMICAL CO.
420 Lexington Avenue, New York 17, N. Y.
221 No. La Salle Street Chicago 1, Illinois
424 Ohio Bldg., Akron 8, O.
Apopka, Florida
555 So. Flower Street, Los Angeles 13, Cal.
636 California Street, San Francisco 8, Cal.
North Portland, Oregon
Houston 2, Texas
Weslaco, Texas

IRON SULPHATE PURIFIED
Granular - Spot Deliveries
E. M. SERGEANT PULP and CHEMICAL CO., Inc.
7 DEY STREET Estat lished 1857 NEW YORK 7, N.Y.

GEORGE F. SMITH SALES & CHEMICALS CORP.
CHEMICALS
Specializing in
ARSENIC
SODIUM CYANIDE
COPPER SULPHATE
NICKEL SULPHATE
CRESYLIC ACID
STEARATES
CERIUM-LANTHANUM-THORIUM and other RARE EARTH SALTS and METALS
60 East 42nd Street, New York 17, N. Y.
Cable Address Geosmith, N. Y.
Telephones: MUrrayhill 7-5651-2-3-4

90 SALESMEN...
18 WAREHOUSES...
YEARS OF EXPERIENCE
Ready to Go to Work for You Tomorrow!
Here is the ready-made sales and distribution organization you need to meet today's conditions in the Mid-Western market. Trained, efficient and experienced, Thompson-Hayward is prepared to build — and hold — new and profitable business for you.
HERE ARE A FEW OF THE COMPANIES WE REPRESENT
ASBESTOS CORP., LTD.
Asbestos
BAKER CASTER OIL COMPANY
Castor Oil USP and Technical
BLOCKSON CHEMICAL COMPANY
Sodium Phosphates
MUTUAL CHEMICAL CO. OF AMERICA
Chromic Acid, Bichromates
NUODEX PRODUCTS COMPANY
Driers, Wetting and Grinding Aids, Fungicides
PENNSYLVANIA SALT MFG. COMPANY
Bleach, Anhydrous Ammonia
THOMPSON-HAYWARD CHEMICAL COMPANY
KANSAS CITY, MISSOURI
OPD—6
MINNEAPOLIS
OKLAHOMA CITY
N. LITTLE ROCK
SAN ANTONIO
CORPUS CHRISTI
DES MOINES
DAVENPORT
NEW ORLEANS
ST. LOUIS
HOUSTON
DALLAS
WICHITA
MEMPHIS
CHICAGO
OMAHA
DENVER
TULSA

GREEFF
GENTISIC ACID
and
SODIUM SALT
•
Available in Commercial Quantities
•
Manufactured by
FRIES BROS., INC.
R. W. GREEFF & CO., INC.
10 ROCKEFELLER PLAZA, NEW YORK, N. Y.
TRIBUNE TOWER, CHICAGO, ILLINOIS

BARIUM REDUCTION CORPORATION
SOUTH CHARLESTON 3, WEST VIRGINIA
Manufacturers of
- BARIUM CARBONATE Precipitated
- BARIUM SULPHATE Precipitated (Blanc Fixe)
- SODIUM SULPHYDRATE Liquid and Solid
- AMMONIUM SULPHIDE
- BARIUM HYDRATE
- BARIUM CHLORIDE Crystals and Anhydrous
- SODIUM SULPHIDE Flakes, Solid, Liquid
- HYDROGEN SULPHIDE GAS Liquid
- BARIUM PEROXIDE
- BARIUM OXIDE

FOR INFORMATION ON THE ABOVE LABORATORY TESTED PRODUCTS CALL SOUTH CHARLESTON, W VA.

COPPER SULPHATE
CRYSTALS AND POWDERED
IRVINGTON SMELTING & REFINING
IRVINGTON WORKS NEW JERSEY

DDT
100% technical grade
Emulsifiable Solutions • Wettable Dust
★
2,4-D
ACID and SODIUM SALT
Tech. Isopropyl Ester
Tech. Butyl Ester
Tech. Methyl Ester
44% Isopropyl Ester Solution
40% Butyl Ester Solution
40% Triethanolamine Salt Solution
★
KOLKER CHEMICAL WORKS, INC.
80 LISTER AVENUE NEWARK 5, N. J.

Miss. Nitrogen Plant Plan Fund Increased

Voters of Yazoo County, Miss., have overwhelmingly approved a $750,000 bond issue to assist Mississippi farmers build a multi-million dollar nitrogen fertilizer plant, which will be run by the Mississippi Chemical Corporation, Jackson.

Owen Cooper, executive vice-president of the company declares that plans are now being rapidly pushed for early construction of the plant. "The $750,000 provided by the county, plus over $3,000,000 already paid in cash by Mississippi farmers, give adequate funds to finance the undertaking," he said.

Solvay Has New Detergent

The Solvay Sales Division, Allied Chemical & Dye Corporation, New York, is currently a new type synthetic organic detergent under the trademark "Nytron". In addition to the properties of wetting, reduction of surface tension, penetration and emulsification, common to many synthetic detergents, the company claims that the new product has exceptional detergency, a uniquely high solubility, excellent chemical stability, and unusual resistance to hard water.

Nitrogenates Capacity Increase Planned by Spain This Year

Spanish expectations for new industrial capacity in 1949, according to a report by the Ministry of Industry and Commerce, include four nitrogenous fertilizer projects, capable of producing about 80,000 tons a year, plus facilities for oil refining, caustic soda, calcium carbide, soda ash and miscellaneous commodities.

Hyman Publishes Booklet

Julius Hyman & Co., Denver, Colo., has published a revised technical supplement, No. 201-B, entitled "Direct Control of Grasshoppers with Chlordane." The booklet gives detailed information on the proper time of application, residual protection and residues, dosage and bait. Mention is also made of the uses of chlordane against alfalfa weevils and lygus bugs.

Bemis Bro. Promotes Finley

Bemis Bros. Bag Company, St. Louis, Mo., has elected David M. Finley assistant secretary. Mr. Finley has been with the Bemis organization since 1937 and was formerly its chief accountant.

NFA Publishes Pamphlet

The National Fertilizer Association has published a pamphlet, entitled "Protein Through Forage," which has been designed to further stimulate the increasing grassland movement. Copies may be obtained from the association at 616 Investment building, Washington 5, D. C.

CMC
Formic Acid
Sodium Bichromate
Caustic Soda
Sodium Sulphide
Carbon Tetrachloride
Sodium Hydrosulphite
CHEMICAL MFG.CO.
NEW YORK • SAN FRANCISCO

We offer
SODIUM CYANATE
POTASSIUM CYANATE
TERRA CHEMICALS, INC.
801 Second Avenue New York 17, N. Y.
MU 9-7561

For Naphthalene
Paradichlorobenzene
Orthodichlorobenzene
call
INNIS SPEIDEN & CO.
COrtlandt 7-5803
117 LIBERTY ST., NEW YORK 6, AND PRINCIPAL CITIES

DIGESTA-BONE
Essential Mineral Supplement (72% B. P. L.)
A special steamed feeding bone meal that is especially suitable for use as a mineral supplement in poultry and livestock feeding.
PROMPT DELIVERY
CONSOLIDATED CHEMICAL INDUSTRIES INC.
ADDRESS INQUIRIES TO: 111 SUTTER STREET, SAN FRANCISCO 4, CALIF. OR 630 FIFTH AVENUE, NEW YORK 20, N. Y.

Agricultural Chemicals

Chicago prices were lower for dried blood and tankage last week but local sellers did not alter former views. No easement in the supply of bone meal or castor pomace could be noted. Producers of phosphate rock are experiencing labor difficulties at their mines. Some settlements have been made but new strikes occurred last week and output prospects were temporarily clouded at the close. Suppliers of superphosphate in this section state that demand is holding remarkably well. Ammonium sulphate is said to be heavily under contract for the remainder of the season. More potash contract announcements are expected this month.

It is stated there is no over supply of nitrogen for the country as a whole but there are definite shortages in certain areas. Manufacturers state that orders for mixed fertilizers are far short of what they were at this time a year ago. This is the result in part of weather conditions but farmers and dealers realize that supply and demand are approaching a balance.

Nitrogenates

Ammonium Sulphate—Supply situation continues tight with production of coke-oven sulphate mostly under contract till June. Output has held at a level slightly above that of a year ago without easing the supply position to any appreciable extent.

Bone Meal—Neither the raw or steamed grades have shown any tendency to ease since the turn of the month. Limited production is said to be under contract and no prompt shipments were available in the open market.

Castor Pomace—Production is limited at present and only shipments to contract consumers are being made. The market remained bare of spot supplies last week.

Dried Blood—Priced lower in Chicago at $7.50 per unit of ammonia, but unchanged in the local area at $8.00. No unusual activity to note in either section.

Sodium Nitrate—Continued to find a ready outlet with distribution said to be considerably heavier than a year ago. Imported nitrate is arriving on schedule and it looks as though the Chilean allocation will be completed in June.

Tankage—Priced at $8.00 per unit of ammonia in the local market but lower in Chicago at $7.50 per unit of ammonia. Trading continued on a relatively quiet basis.

Phosphates

Phosphate Rock — Labor difficulties have interrupted production of phosphate rock. While agreements have been reached at some points, suspension of output was reported at others. It was too early to judge the effect of the shutdowns at the close of the week but future developments will be awaited with interest.

Superphosphate—Producers are finding a steady outlet for normal superphosphate in most instances and some suppliers state that demand for this period is holding remarkably well. Prices are unchanged with the outlook given to uncertainty owing to labor difficulties in basic material.

Potashes

Demand is sustained at a high level for all the fertilizer grades of potash and regardless of increased production, the market's supply position has continued tight. Increased output at one of the major plants has now been brought to capacity but demand is still in excess of production. The market's price structure is firm. More contract announcements for 1949-1950 expected this months with no important price changes anticipated. Some specialties may be slightly higher to partly cover increased manufacturing costs.

Los Angeles Fertilizer Market

Los Angeles.—Market steady, with prices unchanged. Demand has been fairly good. Ammonia sulphate still short. Ruling prices were:—Ammonia nitrate, $73.50 per ton f.o.b. this city. Ammonia phosphate, $65 per ton for 16/20 grade f.o.b. this city, and $89.30 per ton for 11/48 grade f.o.b. this city. Ammonia sulphate, $56 in bags. Canadian material same f.o.b. this city. Blood meal, $7 to $7.25 per unit of ammonia at source. Bone meal, $65 for steamed 1/30 meal. Fish meal, $198 per ton f.o.b. Los Angeles for 60 percent California Sardine meal. Nitrate of soda, $56 per ton in 100-pound bags f.o.b. Los Angeles Harbor. $5. off for bulk. Potash muriate, 45½c. per unit f.o.b. Trona basis. Bags additional. Potash sulphate, 95 to 98 percent K_2SO_4 in bulk 79c. per unit, f.o.b. Trona. Superphosphate, $21.20 f.o.b. this city in bulk. Tankage, dry rendered, ground 50 percent protein, $5.50 per unit of ammonia at production plant, plus 10c. per unit of b.p.l.

Pesticides

It is apparent that the past use pattern for insecticide materials can not be used as a guide for this season. Department of Commerce states that consumption of the newer synthetic organics such as toxaphene, parathion, methoxychlor and the older botanicals is expected to increase this year, compared with 1948, while that of lead arsenate, calcium arsenate and DDT may decrease. If the anticipated heavy grasshopper infestation materializes, toxaphene and chlordane may be used extensively in the mid and far west.

Rotenone and pyrethrum imports in 1948 were 39 and 45 percent respectively of those in the preceding year. The decrease reflects the low demand and the reduction in price which caused the pyrethrum growers in Kenya to curtail crop acreage and discouraged rotenone root collection in Peru and the Far East. At least one growing season plus shipping time is required before United States imports of these botanicals can be increased appreciably. Stocks of rotenone and pyrethrum are reported low and any heavy increase in usage over last season could result in a shortage.

Eradication of the pink bollworm in six Texas counties, and discovery of this serious cotton pest in three counties in New Mexico and two in Texas have resulted in a shifting in the areas designated as lightly infested, the U. S. Department of Agriculture announced. An amendment to the pink bollworm regulations making these changes is now effective.

Calcium Arsenate—January exports totaled 153,000 pounds and included 137,000 pounds to Peru. In December, 1948, exports amounted to 952,000 pounds of which 227,000 pounds were destined to Japan and most of the remainder to Peru.

DDT—Some cancellation of contracts is

—*Continued on page 48*

Market Trends

Prices Advanced

None

Prices Reduced

Dried blood, Chicago, 50c. per unit of ammonia.
Tankage, Chicago, 50c. per unit of ammonia.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
81.6	81.6	81.6	74.5

(*For Current Prices see Page 9*)

Phosphate Rock Data: 1947

Statistics on sales of phosphate rock in the United States by uses during 1947, as compared with 1946, have been compiled by the Bureau of Mines as follows, in long tons:—

1947	Florida	Tennessee[1]	Western States	Total
Domestic—				
Superphosphates	4,842,304	275,488	270,038	5,387,830
Phosphates, phosphoric acid, phosphorus, ferrophosphorus	327,151	799,422	8,035	1,134,608
Direct application to soil	485,517	278,280	328	764,125
Fertilizer filler	18,006	19,627	.....	37,633
Stock and poultry feed	36,496	3,732	.....	40,228
Undistributed[2]	.....	35,335	2,712	38,047
Exports[3]	772,533	.....	912,175	1,684,728
Total	6,482,027	1,411,884	1,193,288	9,087,199

1946	Florida	Tennessee[1]	Western States	Total
Domestic—				
Superphosphates	3,959,108	449,496	195,838	4,604,442
Phosphates, phosphoric acid, phosphorus, ferrophosphorus	231,338	653,885	9,278	894,501
Direct application to soil	314,575	212,405	1,117	528,097
Fertilizer filler	32,303	18,454	.....	50,757
Stock and poultry feed	52,501	500	.....	53,001
Undistributed[2]	1,047	27,860	2,031	30,988
Exports[3]	414,639	.....	284,288	698,927
Total	5,005,511	1,362,600	492,602	6,860,713

[1]. Includes a small quantity from Virginia.
[2]. Includes phosphate rock used in pig iron blast furnaces, parting compounds, research, defluorinated phosphate rock, refractories and other uses.
[3]. As reported to the Bureau of Mines by domestic producers.

For Late Market Developments, See Page 4

SUNSHINE STATE POTASH
A PRODUCT OF NEW MEXICO U.S.A.
MURIATE OF POTASH
62/63% K_2O ALSO 50% K_2O
MANURE SALTS
20% K_2O MINIMUM
UNITED STATES POTASH CO., Inc., 30 Rockefeller Plaza, New York 20, N.Y.
REG U.S PAT OFF

Sulphate of Ammonia · Nitrogen Solutions · Ammonia Liquor
Anhydrous Ammonia · Arcadian* the American Nitrate of Soda
THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET · NEW YORK 6, N. Y.
Barrett NITROGEN
HEADQUARTERS FOR AMERICAN-MADE NITROGEN
*Reg. U. S. Pat. Off.

SELECTED SPENT FULLERS EARTH
Contracting now for shipments during next 12 months.
— The Unexcelled Conditioner —
THE DICKERSON COMPANY
DREXEL BUILDING - - - - - - PHILADELPHIA 6, PA.

Products of SULPHUR
Uniformly high purity of 99½% or better
TEXAS GULF SULPHUR CO. Inc.
75 E. 45th Street New York 17, N.Y.
Mines: Newgulf and Moss Bluff, Texas

ROTENONE
RESINS
OR
POWDER
INSECTICIDE SALES DIVISION
ORBIS PRODUCTS CORPORATION
315 PEARL STREET, NEW YORK
FACTORY AND LABORATORY: NEWARK, N. J.

DEEP-ROCK UNIFORM DEPENDABLE DEEP-ROCK
PETROLEUM THINNERS AND TECHNICAL NAPHTHAS
Lacquer Diluent
V. M. & P. Naphtha
Stoddard Solvent
Napoleum Spirits
No. 140 Naphtha
Quick Dry Solvent
Mineral Seal
•
Prices and Samples on Request
DEEP ROCK OIL CORPORATION
616 So. Michigan Avenue
Chicago 90, Illinois

VIKING
Petroleum Solvents
PENTANE • HEXANE • HEPTANE
PETROLEUM ETHER
LIGROIN • BENZINE
Special Solvents for Specific Purposes
LOW COST — HIGH QUALITY
VIRGINIAN
GASOLINE & OIL CO.
R. V. BLDG., CHARLESTON, W. VA.

UNIFUELS
SOLVENTS · NAPHTHAS
BUTANE · PROPANE
Special Petroleum Fractions, Tailormade to Your Individual Requirements . . .
UNIVERSAL PETROLEUM CO.
TULSA, OKLAHOMA PHONE 3-0131

ULTRA-PENN
Specialists in quality
PETROLATUMS — WHITE OILS
for every purpose
Ultra-Penn Refining Co., Butler, Pa.

A GLENN McCARTHY ENTERPRISE
McCARTHY
Now Available in Commercial Quantities

For prompt, sure delivery, McCarthy Chemical Company operates a fleet of 10,000 gallon tank cars, specially lined to guard against contamination, specially insulated against temperature changes.

McCarthy Chemical Company
SHELL BUILDING HOUSTON, TEXAS
Teletype HO-181 Phone: Preston 7204

Petroleum Derivatives

Prices of petroleum aromatics were steady late last week following reductions of 3 cents per gallon on coaltar toluol at all points East of the Mississippi River. At press time sellers of petroleum indicated that they were keeping close tabs on coaltar developments, but anticipated no action until the picture in the competing market became further clarified.

Meanwhile, demand for petroleum toluol and xylol, though somewhat improved, was still said to be at sub-normal levels for this time of year. Stocks were comfortable in all areas. The supply position of higher boilers and blends was similarly good. Call for these materials was light.

Aliphatic materials remained in plentiful supply throughout the trade. There was an upsurge in rubber solvents demand, due to the increased activity of the tire industry. Other naphthas were also in better call. Generally, however, demand was considered off from levels of a year ago.

Liquefied petroleum gases were in excellent availability, and were expected to remain ample until the early Fall. Other lighter fractions were in similarly good supply. Pricewise, there was no change.

Solvents and Diluents

Aromatic Solvents — Although coaltar toluol was lowered 3c. per gallon at all points east of the Mississippi River late last week, the price structure of petroleum aromatics continued unchanged. Sellers of petroleum solvents were reported to be keeping close touch with the coaltar situation, but no price action was expected until the competing market exhibited some semblance of a pattern. Meanwhile, buying, though up a little from former levels, was still said to be insufficient to raise business to its normal volume. The supply position was said to be comfortable.

Listings of aliphatic-aromatic blends and higher boiling range aromatics were maintained in all areas during the past week. Call for these materials was a little better, particularly from the paint trade, but overall buying interest was considered below par. Stocks were plentiful in all quarters.

Cleaners' Naphtha—Demand was up a little during the week, but producers maintained that sales were still off from normal levels. The supply position was excellent, with offerings continuing freely available to all comers. There was no change in the price structure, and none was anticipated in the immediate future. Quotations along the East Coast were uniform at 14c. per gallon, while listings in group 3 ranged from 10 7/8c. to 11 5/8c.

Lacquer Diluent — Supplies remained excellent last week, offerings continuing readily available for immediate shipment. Demand was slightly better, but sales were still said to be under the normal level for this time of year. Prices were maintained in all areas, and there was no indication of any changes in the offing. Benzol-type was quoted at 12 1/8c. per gallon in group 3, while toluol-type commanded 11 1/8c. to 12 1/8c. in the same area. Along the East Coast, listings were uniform at 16c.

Mineral Spirits — The price structure was without variance during the past week. Quotations on the East Coast were uniform at 14c. per gallon. Listings in group 3 ranged from 9 7/8c. to 10 5/8c. Call was a little improved, but overall demand was still off for this season. Stocks were in good availability, offerings continuing unlimited to all comers.

Rubber Solvents — Interest from the tire industry began to pick up last week. Producers looked for increasing calls from this source from here on out. Stocks, meanwhile, remained plentiful throughout the trade. There were no price changes, nor were any expected within the immediate future. Rubber solvents were quoted at 15c. per gallon on the East Coast and at a range of 10 3/8c. to 10 7/8c. in group 3.

Stoddard Solvent — Quotations were without change in all areas during the past week. Firmness was expected to continue throughout the Summer motoring season. This aliphatic brought 14c. per gallon along the East Coast and 9 7/8c. to 11 1/8c. in group 3. Consuming inquiry was more active, but overall demand was still said to be under levels of a year ago.

V. M. & P. Naphtha — There was no substantial change in this section last week. Demand was a little better, but still not sufficiently so to raise sales to normal levels. Stocks continued ample throughout the trade. Prices were firm, and there was no immediate indication of change in the situation. V. M. & P. was quoted at 15c. per gallon along the Eastern Seaboard and at 10 7/8c. to 11 5/8c. in group 3.

Market Trends

Prices Advanced
None

Prices Reduced
None

(For Current Prices see Page 9)

Lighter Fractions

Butane — Availability of this liquefied petroleum gas continued excellent. No change in the supply situation was expected until the early Fall. Demand was at normal seasonal levels. Prices were maintained at 3 1/2c. per gallon, tanks, group 3.

Heptane — Call from the extraction trades continued normal. Stocks were good everywhere. Prices were on a par with previous listings, remaining at 12 1/2c. to 13 1/2c. per gallon, tanks, group 3.

Hexane—The price structure was without variance during the period under review, holding at a range of 13 1/2c. to 14 1/2c. per gallon, tanks, group 3. Demand was steady in all areas. The supply position was excellent, offerings continuing freely available to all comers.

Pentane—Stocks were good, offerings continuing ample in all areas. Demand was at normal levels. Prices were maintained at 10 1/2c. to 11 1/2c. per gallon, tanks, group 3.

Propane—Inquiry was quiet, a normal seasonal trend. Stocks were excellent, and were expected to remain that way until September. Prices were steady at 3 1/2c. per gallon, tanks, group 3.

Waxes

Paraffin—Stocks continued ample for all grades. Interest remained unchanged during the past week. Prices were similarly stable, holding at a range of 6 9/10c. to 8c. per pound, slabs, loose, carload, refinery, for the fully-refined waxes.

Miscellaneous

Crude Oil—The market steadied following recent lowerings of low-gravity grades at some fields. Observers, while seeing this development as a possible straw in the wind foreshadowing later general reductions, believed that the price structure would probably continue firm through the Summer motoring season. After that it was anybody's guess. Most refiners felt that postings were due for a decrease, but no one ventured any guess as to when and by how much the cuts would come.

The American Petroleum Institute reported daily average crude-oil production for the week ended April 23 at 4,916,000 barrels, or 4,000 barrels above the total of the preceding week. Daily average crude runs to stills of 5,188,000 barrels were 45,000 barrels above the level of the preceding week.

The daily average production of crude petroleum decreased to 5,376,000 barrels in February from the revised rate for January of 5,389,000 barrels, according to the Bureau of Mines. Oil-well completions in February totaled 1,397, a decrease of 340 from January and nine under February, 1948. Demand for domestic crude decreased 156,000 barrels daily to 5,193,000 barrels in February and stocks of domestic crude increased an average of 183,000 barrels daily, continuing the trend of recent months.

Crude Oil Stocks

Stocks of domestic and foreign crude petroleum at the close of the week ended April 23 totaled 269,831,000 barrels, according to the Bureau of Mines. Compared with the revised total of 269,951,000 barrels for the preceding week, this represents a decrease of 120,000 barrels, comprising an increase of 345,000 barrels in stocks of domestic crude and a decrease of 465,000 barrels in stocks of foreign crude.

Los Angeles Petroleum Market

The solvent and diluent market is steady. Supplies are adequate. Prices continue un-

For Late Market Developments, See Page 4

changed. Cleaners' naphtha last week was quoted at 16.3c. per gallon, tankwagon, ex-tax.

Propane and butane are in good supply. The market is somewhat easier. Both are quoted at 9.3c. per gallon, tankcar, f.o.b. Wilmington, Calif.

Prices of paraffin wax are steady. Supplies are good. High melting point, 140-147 ASTM, carload, loose slabs, f.o.b. shipper's refinery, San Francisco Bay area, 7.35c. per pound; 146-148 ASTM, 7.55c. per pound, and 157-162 ASTM, 9.1c. per pound. Tankcar prices in the order named above are 7c., 7.2c. and 8.75c.

Creole, Pantepec Renew Venezuela Oil Contract

Creole Petroleum Corporation and Pantepac Oil Company, C. A., have renewed their contract for development of Pantepec's properties in Venezuela. The new contract provides that the joinly owned properties in eastern Venezuela will be equally divided on a checkerboard basis. Each company is to receive about half the present production of each property.

Calif. Oil Producers Elect

H. E. Woodworth, Safe Oil Company, Bakersfield, was elected first vice-president of the Oil Producers Agency of California at a recent meeting in Los Angeles. L. A. Cranson, Honolulu Oil Corporation, was re-elected president.

Others elected were:—second vice-president, R. A. Grant, Fullerton Oil Company; third vice-president, W. H. Geis, petroleum engineer; fourth vice-president, C. A. Johnson, Holly Oil Company. W. A. Russell, Seaboard Oil Company, was re-elected secretary-treasurer, and Verne Harrell, Bankline Oil Company, was re-elected assistant secretary-treasurer. Rush M. Blodget, who has manager the agency since it was formed in 1931, was re-elected executive vice-president.

Sun Oil Advances Bradley

The Sun Oil Company, Philadelphia, has appointed Elmer R. Bradley district manager at Revere, Mass., to succeed John C. Weidman, whose was recently appointed regional manager of the Middle Atlantic region. James C. Tilley has been named to succeed Mr. Bradley as district manager at Bridgeport, Conn.

Tin World Production Increased During 1947

World mine output of 112,400 long tons of tin in 1947 was 28 percent greater than in 1946, but was less than half that of the high years of 1940 and 1941, according to final annual figures of the industry compiled by the Bureau of Mines. Production in 1947 was only 60 percent of estimated world need, the agency said.

Apparent world consumption of tin increased during the year, keeping pace with a 25 percent rise in smelter production, but total consumption exceeded supply, depleting world stocks, the report continued. At the beginning of 1948 world stocks of tin as metal and in ore were down to 137,000 tons, and were believed to be at a minimum working level, it added.

Smelter production of tin in the United States reached 33,300 tons in 1947, as compared with 43,500 tons in the peak year of 1946. Reduced output was principally owing to a drop in the intake of high-grade concentrate, the report said, and, to a minor extent, to work stoppages at hydrochloric acid plants and the Texas City disaster. World smelter production of tin during 1947, as compared with 1946, was as follows, in long tons:—

	1947	1946
Argentina	480	837
Australia	2,571	2,225
Belgian Congo	3,588	4,210
Belgium	12,059	1,405
Canada	320	390
China	3,907	1,929
Italy	120	....
Japan	190	162
Malayan Union	30,000	11,533
Mexico	240	263
Netherlands	8,750	945
Norway	..	308
Portugal	240	114
Siam	600	1,000
Spain	703	1,440
Union of South Africa	601	858
United Kingdom	27,544	28,680
United States	33,300	43,500
Total (estimate)	125,000	99,800

Cities Service to Build New Lubricating Oil Plant

The Cities Service Oil Company is planning the construction of a new $4,000,000 lubricating oil plant at Cicero, Ill. The new facility, scheduled for completion early next year, will be designed to compound and blend more than 23,000,000 gallons a year.

PAN AMERICAN CHEMICALS

PANASOL RX-5
PETROLEUM AROMATIC SOLVENT

For Industrial Alkyd Finishes

A dependable high-quality hydrocarbon solvent widely accepted in alkyd resins formulations. The full range solvency and high flash of PANASOL RX-5 makes this slow-evaporating solvent ideally suited for such applications.

BOILING RANGE: 350-425°F
FLASH POINT: 135°F Min.
K.B. SOLVENCY: 68 Min.

Available for Prompt Delivery
Tank Cars — Drums

Why not check with PAN AMERICAN for your aromatic solvent requirements *today?*

PAN AMERICAN Chemicals
DIVISION
Pan American Refining Corp.
122 East 42nd Street New York 17, N. Y.
Plant: Texas City, Texas

penn drake products

Lasting Purity
WHITE OILS

Penn-Drake U.S.P. and technical grade White Oils are odorless, tasteless, colorless, and they stay that way. *Write for samples.*

PENNSYLVANIA REFINING COMPANY
Butler, Pennsylvania
Branches: Cleveland, Ohio and Edgewater, N. J. Representatives in all Principal Cities

OUT OF THE HEART OF EAST TEXAS...

TEXOIL SERCO
MICRO-CRYSTALLINE
TEXOIL SEROX
EMULSIFIABLE
WAXES

SPECIFICATIONS

SERCO	MELTING POINT	PENETRATION 100 GRAMS 77° 5 SECONDS	COLOR NPA	ACID NUMBER	SAPONIFICATION NUMBER
212Y	195 - 200	2½ - 5	2½ - 3½	NIL	NIL
510Y	190 - 200	4 - 8	2½ - 3½	NIL	NIL
SEROX	MELTING POINT	PENETRATION 100 GRAMS 77° 5 SECONDS	COLOR NPA	ACID NUMBER	SAPONIFICATION NUMBER
66	180 - 185	6 - 8	6 - 8	30 - 40	75 - 90
88	180 - 185	5 - 8	5 - 7	15 - 25	55 - 75

The very best high melting-point, low penetration, micro-crystaline wax is made from petroleum residuum, obtained almost exclusively from crude oil originating in East Texas. From our refinery at Kilgore, Texas, TEXOIL produces a year-round supply of uniformly high grade wax to meet every industrial need. Write today for prices and quantity discounts.

KILGORE Texoil SERVICE COMPANY
MAKERS OF MICRO-CRYSTALLINE WAX
M & M BUILDING HOUSTON 2, TEXAS • KILGORE, TEXAS • 141 BROADWAY NEW YORK 6, N. Y.

PENNOWAX
Oxidized Petroleum Waxes

Emulsions Floor Polishes
Carbon Paper Protective Coatings
M.P. 90-190°F. Acid Value 5-55

AMORWAX
Refined Petroleum Waxes

Paste Polish Shoe Polish
Laminating Impregnating
Insulation
M.P. 100-195°F. Pen. 2-25 Color—Amber-White

Refined Genuine Yellow Ozokerite
Ceresines Paraffines

Write for
Formulations, Specifications, Quotations, Tec. Data

PENNOTEX OIL CORPORATION
29 Broadway New York 6, N Y

Barrett*

LIGHT OIL DISTILLATES

AVAILABLE IN TANK CAR, TANK WAGON OR DRUM DELIVERY FROM STRATEGIC POINTS THROUGHOUT THE COUNTRY

Benzols

Nitration Benzol
Industrial 90% Benzol
Industrial Pure Benzol • Thiophene-Free Benzol

Primary source of the organic chemicals which are the basic raw materials of the plastic, synthetic rubber, dye, and pharmaceutical industries. Very high-solvency, low-boiling solvent used in the protective coating, rubber, petroleum refining and textile industries.

Toluols

Nitration Toluol • Industrial Pure Toluol

Primary source of many organic, aromatic, intermediate chemicals. Low-boiling, high-solvency solvent and diluent used in the protective coating, rubber, textile and petroleum refining industries.

Xylols

Nitration Xylol (3° Xylol) • Ten Degree Xylol
Five Degree Xylol • Industrial Xylol

Source of chemical intermediates for dye and other industries. Intermediate-boiling, aromatic solvent used in the protective coating, rubber, printing, insecticide, vitamin and textile industries.

SOME OTHER BARRETT PRODUCTS

Anhydrous Ammonia in Tank Cars or Cylinders
Ammonia Liquor—Sulphate of Ammonia
Ammonium Nitrate—Arcadian*Nitrate of Soda
Ammonium Nitrate Ammonia Solutions
Crystal Urea

THE BARRETT DIVISION
ALLIED CHEMICAL & DYE CORPORATION
40 RECTOR STREET, NEW YORK 6, N. Y.
*Reg. U. S. Pat. Off.

Coaltar Chemicals

A reduction of three cents per gallon in the price of toluol was announced by major producers during the past week. This was for all shipping points east of the Mississippi. There was no immediate word on prices west of the Mississippi. The action was seen as resulting from the general downward trend in solvents and the shading that had been reported taking place in some quarters. The reduction served to bring the weekly price index down to 129.3.

Business remained generally quiet. With inventories in the hands of consumers at a good level and the supply situation easier, buyers appeared less anxious than they were six months ago and were making fewer inquiries on shipping dates and the condition of stocks.

Phthalic anhydride and creosote were still abundant as to supply. Naphthalene, too, was reasonably free but the demand was not especially high, particularly from the dyestuffs industry. The intermediates, as a rule, were easy as to supply.

Steel production during the period was off a fraction. Reports from companies having 94 percent of the producing capacity of the industry indicated that output for the week was scheduled at 97.3 percent of capacity. This was equivalent to 1,793,000 tons of steel ingots and castings, as compared to 1,797,400 tons for the previous week, 1,640,300 tons for the corresponding week a year ago and 1,281,210 tons for the average week in 1940, the highest pre-war year.

Production figures used in this market report are from the Department of the Interior, Bureau of Mines.

Market Trends

Prices Advanced

None

Prices Reduced

Toluol, 3c. per gal.

Comparative Price Indexes

(100 = August 1, 1914)

Last week	Prev. week	Last month	Last year
129.3	130.7	131.7	152.8

(For Current Prices see Page 9)

Basic Products

Benzol—The market for this material was reported to be in a quiet position during the past week. Prices were said to be holding at their previously established levels and there were no indications that there would be any revisions in the immediate future. Demand, it was reported, was holding at a fairly good level, although it had fallen off somewhat for this material as it had for most others since the beginning of the year. The supply situation was such, it was said, that normal orders could be satisfied without any particular difficulty.

Production of motor grade benzol in March went on a sharp upswing, for during that period the output of the material amounted to 1,634,673 gallons, as compared to 713,645 gallons for the previous month. This represented an increase of 129.1 percent. Output of the material during March a year ago amounted to 833,928 gallons. Production of the nitration 1° material during March of this year amounted to 3,002,904 gallons, while during the previous month it was 2,733,801 gallons. The March figure represented a total gain of 9.8 percent over the previous month. During March a year ago the total was slightly above that of this year, for at that time the production was 3,740,428 gallons. The output of the industrial pure 2° material during March of this year amounted to 9,932,851 gallons, which were 0.7 percent greater than the 9,886,241 gallon production of February. During March a year ago the figure was less, for during that time it was reported that production came to 9,363,175 gallons. Production of all other grades during March of this year was 290,533 gallons, as compared to 248,719 gallons for the previous month. This represented a percentage increase of 16.8. The output during March of last year was less, for during that time it was reported that the output totaled 248,719 gallons.

Coaltar—Supplies of this material were reported to be holding at levels sufficiently high to satisfy the market with comparative ease, but the demand was off somewhat, along with most other items in this market. Prices were reported to be unchanged during the past week and there were no suggestions from producers that there were any possible revisions being contemplated for the immediate days to come.

Creosote—The market for this material during the past week was continuing in about the same position in which it had been for some time. Supplies were still on the long side and the demand continued at levels still not high enough to satisfy the hopes of producers. Although the industry did not take a bleak attitude concerning the future, it was said that both producers and importers were finding the current demand somewhat sluggish. Some of the difficulty, it was pointed out, was still being caused at the source, where loggers were having trouble getting their timber out of the woods. At a recent meeting of the American Wood Preservers' Association, in St. Louis, it was said that sellers came away none too happy, after hearing what the railroads and utilities companies would want this year in the way of creosote for preserving ties and poles. Both of these large customers were still taking material, but as one seller who was in attendance put it, the boom had not come back beyond the stage of buying for immediate needs.

Prices of creosote were still holding at their previously established levels and it was said that there were no indications of any revisions in the immediate future. The high side of the range, however, was being shaded in some quarters. Domestic production was at a high point, but was still not sufficient to satisfy the market, it was reported, and therefore large quantities of the material were still being brought in from abroad.

Output of creosote oil during the month of March was reported to be 2,317,385 gallons, as compared to 1,927,615 gallons during the month of February. This represented a gain of 20.2 percent. It was, however, below the output of the corresponding month a year ago, for during that period the production of the material was 3,548,942 gallons.

Cresol — Supplies of the domestic material during the period under review were at a sufficiently high point to assure buyers that they would have no difficulty in satisfying their needs. Demand was at reasonably good levels, although not so high as it had been. Demand for the imported material was still not great but there was sufficient of it on the market to assure buyers a ready supply. There were no reports of price changes during the week and there were no suggestions that there would be any in the immediate future.

Cresylic Acid—Arrivals of this material in New York during the past week totaled 72 drums from Liverpool and 75 from Glasgow. Stocks of the domestic material were available in good quantity, but there was some slowness that continued in the demand. The imported item also showed slowness in demand, but the stocks of it were reported to be at a point sufficient to satisfy any normal orders. Prices appeared pretty well settled for the quarter in tankcar lots, but the announcement of one producer was still being awaited for prices of lesser quantities.

Naphthalene—There were no particular changes to be noted in the market for this material during the past week. Generally speaking, demand was not high, and there was not a great deal of the product being taken by the dyestuffs industry. Refined material was reported to be free as to supply, and the crude was said to be available in even greater quantity. Sale of the mothproofing material was reported to be moving along at about a normal rate, although as yet there had not been a sudden upturn in the weather that would send sales soaring. There was enough of the material available to satisfy the market, but there was some question in the minds of producers as to just how much of the

Coke By-Products

Estimates of by-product cokeoven operations in the week ended April 30 indicate the following output of by-products from that source:—

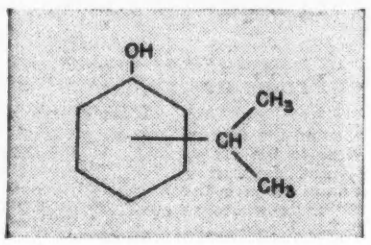
Ammonia liquid, NH_3	lbs.	1,245,435
Ammonia sulphate	lbs.	32,250,231
Benzol	gals.	4,054,053
Coaltar	gals.	15,076,327
Creosote oil	gals.	839,030
Naphthalene, crude	lbs.	1,992,697
Phenol	lbs.	235,977
Toluol	gals.	812,810
Xylol	gals.	183,537

For Late Market Developments, See Page 4

KOPPERS NOW OFFERS

New intermediates for the chemical industry

ISOPROPYL PHENOLS



● Isopropyl Phenols—long in the laboratory stage—are now being produced for the first time in commercial quantities by Koppers.

Production of the Isopropyl Phenols has been made possible by Koppers continuing research on derivatives of the coal chemicals. Many useful applications are already indicated.

Promising uses include the production of phenolic-type resins, lubricating oil additives, engine-cleaning compounds, plasticizers, rubber-processing chemicals and agricultural chemicals, and use as a solvent for wire-coating enamels.

The chemical reactivity and the physical properties of the Isopropyl Phenols are similar to those of the cresols and the lower alkylated phenols. Properties of typical samples are shown below:

	ortho-Isopropyl Phenol	meta, para-Isopropyl Phenol
Boiling Range, 5-95%	206-213°C	221-228°C
Specific Gravity, 30°C	0.987	0.983
Refractive Index, n_D^{20}	1.528	1.526
Solubility in 10% NaOH	complete	complete

Commercial quantities of both ortho-Isopropyl Phenol and meta, para-Isopropyl Phenol are now available; Diisopropyl Phenol is available from pilot plant operations.

Samples of each grade of Koppers Isopropyl Phenols are now available to research and development chemists.

KOPPERS COMPANY, INC.
Chemical Division
Pittsburgh 19, Pa.

KOPPERS

item was being carried over from last year by housewives, retailers and jobbers.

Phenol—Marketwise, there was no particular changes to be noted for this material during the period under review. Supplies of the USP were good but the demand for them was not as great as it might have been. Supplies of the natural grades, it was said, were available in fair quantity, although there were no surpluses. The demand was called fair. There were no price changes reported during the period. Listings on carload and less than carload quantities were still being awaited from one seller although the quotations on tankcar lots seemed to be pretty well established for this quarter.

Pyridin—Pricewise, there were no particular changes to be noted in the market for this material during the past week and there were no indications that there would be any in the immediate future. Demand for the pharmaceutical remained at a good point, although the supplies of it were not especially plentiful. The demand for the other grades was not so high but the supply was easier than was that of the pharmaceutical.

Pyridin production figures just released for March indicate that the output of the crude bases (dry basis) amounted to 39,791 gallons, as compared to 35,866 gallons for February. This represented a gain of 10.9 percent. The figure for March of this year was higher than was the output of March a year ago, for during that time the production amounted to 31,676 gallons. The refined 2° material was produced in the amount of 93,598 pounds during March of this year. This represented a gain of 31 percent over the 71,464 pounds production of the previous month. It was still considerably below the output of March a year ago, however, for during that time the total output was 115,178 pounds.

Solvent Naphtha—Listings on this material were reported to be unchanged during the period under review and, following the recent revisions, they appeared to be settled for a while. The supply and demand picture remained largely unchanged during the period.

Solvent naphtha production figures just released for the month of March indicate that the output of crude heavy solvent amounted to 385,000 gallons during that month, while the output for the previous month was 336,250 gallons. The March total represented a gain of 14.5 percent. During March of last year the output was somewhat higher, for during that time it was reported to be 407,863 gallons. The refined light solvent was produced in the amount of 32,817 gallons during March of this year. That represented a decrease of 8.3 percent, for during the previous month the total was 35,796 gallons. The output of the material a year ago was considerably higher, for the production total for March, 1948, was reported to be 43,822 gallons.

Toluol—Major producers of this material announced last week that they were dropping the price of this item by 3c. per gallon at all shipping points east of the Mississippi River. There was no word on listings west of the Mississippi. A general decline in solvents and reported shadings in the past were seen as causes for the reductions.

Production of nitration 1° toluol during March of this year amounted to 1,964,292 gallons. The figure for the month before was 1,824,531 gallons. March output represented a percentage gain of 7.7. The output of the material during March of this year, however, was lower than during the corresponding month a year ago, for during that time the output was 2,014,399 gallons. Production of the industrial pure 2° material during March of this year was reported to be 613,352 gallons, as compared to 584,596 gallons during the previous month. This represented an increase of 4.9 percent. It was also considerably higher than was the output of March a year ago, for during that time it was reported that the output was only 405,810 gallons. Production of all other grades during March of this year came to 43,577 gallons, as compared to the output of 36,393 gallons during the month of February. The percentage gain was 19.7. The output for March of this year was also over the output for the corresponding month a year ago, for during that period it was reported that the production was 36,068 gallons.

Xylol—There were sufficient stocks of this material on the market for normal buying, and the demand, although not all that it was at the end of last year, was still at fairly good levels. Prices appeared stable during the past week and there were no indications that there would be any revisions in the immediate future.

Production of all grades of xylol during the month of March amounted to 690,934 gallons, according to figures recently released. This was 12.7 percent above the

REPUBLIC AMMONIUM SULPHATE

REPUBLIC STEEL
REG. U.S. PAT. OFF.

ALSO

BENZOLS
1°—2°

TOLUOLS
Nitration—Commercial

XYLOLS
3°—5°—10°—Commercial

CRUDE NAPHTHALENE

Specify Niles Steel Containers for your Packaged Items

REPUBLIC STEEL
CORPORATION
General Offices • Cleveland 1, Ohio
BRANCH OFFICES IN ALL PRINCIPAL CITIES

Shipping Points: Birmingham, Alabama • Canton, Ohio • Chicago, Illinois
Cleveland, Ohio • Gadsden, Alabama • Massillon, Ohio • Warren, Ohio
Youngstown, Ohio

DYEWOOD AND TANNING EXTRACTS

YOUNG EXTRACTS HAVE BEEN SERVING THE INDUSTRY FOR MORE THAN 75 YEARS

THE J. S. YOUNG COMPANY 2701 BOSTON ST. BALTIMORE 24, MD.
PATERSON, N. J. BOSTON, MASS. PHILADELPHIA, PA. CHICAGO, ILL.

EDIBLE — TECHNICAL
E G G ALBUMEN
For Every Purpose or Use
W. WALTER KOCH CO. 408 West 14th St., New York 14, N. Y.
ALgonquin 5-4020, 4021, 4022

CHAS. PAGE & CO., Inc.
PHENOL USP
CRESYLIC ACID, ADF CRUDE NAPHTHALENE
PHTHALIC ANHYDRIDE
50 EAST 42nd STREET, NEW YORK 17, N. Y.
VANDERBILT 6-0903 CABLES: NINIPACA

BETHLEHEM COAL CHEMICALS
BENZOL (nitration, industrial, motors) TOLUOL (nitration and Industrial) XYLOL (Industrial)
CRUDE NAPHTHALENE
CRUDE HEAVY SOLVENT NAPHTHA
CRUDE PYRIDINE
AMMONIUM SULPHATE

From plants at Sparrows Point, Md.; Lackawanna, N. Y.; Bethlehem and Johnstown, Pa. Nearby points served by convenient tank-wagon delivery.

Other Bethlehem products for the chemical industry:
Forged pressure vessels • Welded pressure vessels • Chemical-plant equipment • Sheets • Alloy studs • Hot-forged nuts • Pipe • BethColite (hot-dipped tinplate) • Electrolytic tinplate • Special-coated manufacturing terne plate

BETHLEHEM STEEL

For full details, write or call Bethlehem Steel Company, Bethlehem, Pa., or nearest district office.

production for the previous month, for during that time the output of the material was reported to be 613,273 gallons. During the month of March a year ago production was somewhat lower than it was this year. The production then was 643,344 gallons.

Intermediates

Orthochlorophenol — Prices remained unchanged on this material during the past week, as they had been for some time past. The supply was said to be adequate for the market but the demand was not running to any great levels.

Parachlorophenol—Supplies were at levels sufficiently high to satisfy the market last week, but the demand was only routine. Prices were reported to be unchanged and there were no indications that there would be any immediate revisions.

Paradibromobenzene—Demand for this item during the period under review remained at a steady but routine level, while the supply was sufficient for the market. Prices were still holding at their former levels and there were no indications of any changes for the immediate future.

Phthalic Anhydride—Prices for this material were still holding to their previous levels during the period under review, and producers said they expected they would remain at these levels as long as labor and raw materials costs held up. Demand for the item was still not great. Supply was more than adequate to satisfy the market and in some cases production was being curtailed.

NACA Studies Problems

—Continued from page 5

that the government and the farmer keep each other advised as to the progress of pest development. The government, he said, will then attempt to give industry advance information as to where an outbreak of pests may develop so that it can get pesticides to those areas. He urged the manufacturers and mixers to "gamble" on inventories piling up in those areas should the outbreak not materialize.

In regard to the adverse publicity afforded agricultural chemicals, Dr. Rohwer declared that "we have more information than we ever had about the toxicity of these materials," and added, in conclusion, that "I am as confident as I can be that the American public is better protected in the 1949 season than it has been in any other season in the past."

Dunbar Cautions on DDT Use

Dr. Dunbar, speaking specifically of DDT, declared that this material has deservedly retained its popularity as an extremely efficient insecticide. He cautioned, however, that there is an increasing danger of exposure of the general public to small continued intakes of DDT from many sources and for long periods, with the resultant hazards of cumulative effect, particularly since the public has come to believe it is not poisonous.

He admitted the seriousness of the hazard in the terms of human damage is not known, but reported on experiments on rats fed with DDT, the result of which was liver damage and smaller rats in the litter.

"We cannot perform similar experiments on humans," Dr. Dunbar said. "We cannot exactly translate the results of rat experiments into terms of human effects. Certainly in any study of possible toxicity if we know that one species of animal is affected, there is only one course to follow and that is to play safe and assume that the same results would follow if we could use human animals as experimental subjects."

Poisonous Sprays Discretion

Dr. Dunbar emphasized that poisonous sprays are necessary and very valuable part of the program of producing sound and edible food supplies but warned that discretion and discrimination must be employed in the use of poisons and that the ever-present objective must be the protection of human beings from undue exposure.

In regard to recent rulings on use of DDT on cows and in dairies, Dr. Dunbar stated that "milk is a most important and universal food; it is the principal food of many babies from almost the day of their births; its purity must be safeguarded in every way."

There is no ground for hysteria about our milk supply, he declared, as the dairy industry will certainly abandon its practice of using DDT in favor of some less objectionable substance.

"The Food and Drug Administration will never be able to set up a DDT tolerance for every variety of food produced," Dr. Dunbar pointed out. "Certainly, milk is one where we will not do so. In general, baby foods of every type are in this category. Other foods which are less continually and less universally used may properly be permitted to be sold under a tolerance which quite possibly will not be as large as five parts per 1,000,000 but should be sufficiently liberal to permit effective discriminating spraying."

Tolerance Hearings Planned

Dr. Dunbar added that before the end of the calendar year FDA will hold hearings for the purpose of establishing residue tolerances for many of the pest control chemicals used on food crops. Included will be not only the new organics but also many of the old, well established materials.

Mr. Hitchner said that due to the criticisms of the industry and the confusion in the field "we have had not only regular insecticide and fungicide legislation, but many new types of restrictive proposals. From the mass of legislative proposals, over 140 required analysis."

Types of legislation that have been proposed, Mr. Hitchner said, included legislation to bar the sale of a product in a state; curtailment of air application; proposals for excessive fees; proposals contrary to the uniform labeling program; state production and distribution of pest control chemicals; extension of the laws to cover diluents, spreaders and stickers; proposals for seizure of materials before analysis; banning of certain pest control chemicals through public health agencies, and sales through registered pharmacists only.

Mr. Hitchner said that in practically every case reasonable compromises have been secured, or such proposals defeated.

Public Relations Program

The secretary devoted a major portion of his report to the association's public relations program and revealed that the board of directors is now considering expansion of the program and the securing of additional personnel for it so that the association can be represented at agricultural and other meetings where industry's position on pest control should be presented.

The session on the morning of the second day was opened by Dr. C. E. Guterman, director of the New York State agricultural experiment station at Cornell University, and chairman of the association's liaison committee, who went into detail regarding past operations of his committee and plans for the future. Ernest T. Trigg, former president of the National Paint, Varnish and Lacquer Association, was the guest speaker.

An industry forum on the operations of the association, with Wallace Moreland, president of Rutgers University, New Brunswick, N. J., as chairman, closed the session.

George F. Leonard, vice-president of the Tobacco Byproducts & Chemical Corporation, Louisville, Ky., and president of the association, presided at all sessions.

Agricultural Chemicals

—Continued from page 43

reported with requests for delayed deliveries. List prices are said to be higher than the level at which actual sales have taken place. Total exports for January were 647,000 pounds. The principal countries of destination were Argentina 178,000 pounds, Brazil 123,000, Italy 79,000 and Belgium 66,000.

Lead Arsenate—Prices have not been reduced for this material. Sales have been limited to actual wants. January exports were only 13,000 pounds, compared with 200,000 pounds in December.

Nicotine Sulphate—Exports in January amounted to 163,000 pounds of which 142,000 pounds were shipped to Italy. The December total was 52,000 pounds.

Pyrethrum—Market has maintained a fair degree of balance to date. January imports totaled 204,000 pounds and included 140,000 pounds from Belgian Congo and 35,000 from British East Africa. The December total was 498,000 pounds.

The pyrethrum delegation, which recently left Kenya for the United States, has completed a review of market prospects for pyrethrum. The delegation also reported that disposal of the comparatively small unsold balance of the 1948 crop has been arranged for, and that a substantial proportion of the 1949 crop will be sold at a 20 percent increase in price.

Sulphur

Consuming inquiry for native sulphur is described as steady with stocks adequate to meet current requirements. Export demand has continued at a high level with shipments going forward to various European countries where dollars are accessible. Buying interest in sulphur dusts for insecticide use has been fully up to the seasonal average.

Textile and Leather Chemicals

Conditions in the textile and leather chemicals showed little noteworthy change last week. Consumers continued to operate in a hand to mouth manner. Prices of most materials were generally steady. Price index was unchanged at 332.7, against 345.5 a month ago and 375.5 for the corresponding week last year. Egg yolk was stronger under active demand and was advanced 4 cents per pound, reflecting the firmer market in the West. Sulphonated tallow was boosted 1½ to 2 cents per pound, due to the higher cost of the basic material, while sulphonated castor was cut one-half to 2 cents per pound as to grade.

Higher prices for corn dextrin and starch set for May 9, brought out an improved demand for these materials last week. Consuming inquiry for potato starch was reported fairly active and a moderate volume of business took place for prompt requirements. Tapioca flour was in small supply on the spot and offers of replacements from Brazil were confined to low grades, which were in good demand. Sago flour for shipment was easier. Recent arrivals replenished consumers low inventories.

Tanners interest in tanning material replacements continued inactive, and prospects of improvement in the near future were not favorable according to members of the trade. Tanning output were still at low ebb and estimated about 40 percent of capacity. Purchases of tanning materials during the first quarter were reported well below the volume for the same time last year. However, prices for shipment from producing centers were maintained at former levels.

Chemicals

Acetic Anhydride — Small lot trading was reported in this material. Prices were steady.

Bichromates—Consuming inquiry continued for immediate requirements. Supply situation was materially improved and stocks were adequate to meet current demand. The call for delivery against former contracts was less active. Prices, however, were unchanged and steady.

Copper Quinolinolate — This rot and mildew preventative was developing into wider use in the textile field and was being introduced into several other fields such as protective coatings. Its current price of $3.50 per pound in any quantity was currently firm. While copper naphthenate has a marked advantage over this item in price, this was to some extent overcome by certain advantages for the quinolinolate, such as its water solubility, which made it of particular interest in the treating of textile materials and resin-coated fabrics.

Soda Acetate — Business was reported confined to moderate quantities for immediate delivery.

Soda Hydrosulphite—This material was in light request, chiefly for actual needs. Quotations were without change and fairly steady.

Sulphonated Oils—Higher cost of tallow boosted sulphonated grades about 1½c. per pound. The 25 percent grade was quoted at 7½c. to 8c. per pound and 50 percent at 10c. to 10½c., depending upon quantity. Castor oil was easier, and 50 percent was held at 12c. to 14c. and 75 percent 16c. to 18c. per pound as to quantity.

Sizing Materials

Blood Albumin—Buying interest was reported slow, mainly for small quantities for immediate needs. Volume of business was said to be well below that at this time last year. Supplies were adequate to cover current demand.

Corn Dextrin—Consumers showed more interest in replacements in view of the advance in the price of 15c. per 100 pounds, which becomes effective May 9. Volume of business in all grades was reported improved last week.

Corn Starch — Although business was still spotty, consumers absorbed increased quantities at prevailing quotations. An advance of 15c. per 100 pounds was scheduled to go into effect May 9.

Egg Albumen—Quiet demand combined with liberal offers for prompt delivery kept this market unsettled. Business continued limited to small lots for immediate delivery. Prices were unchanged, ranging from $2.40 to $2.45 per pound, according to quantity. Technical also was in slow request and was unchanged at $1.23 to

Market Trends

Prices Advanced

Egg yolk, 4c. per lb.
Sulphonated tallow, 1½c. to 2c. per lb.

Prices Reduced

Sulphonated castor oil, ½c. to 2c. per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
332.7	332.7	345.5	375.5

(For Current Prices see Page 9)

$1.30 per pound, same basis. Eggs will continue in oversupply and require continued price support purchases by the government for the balance of the year according to a survey of the poultry and egg situation by the Department of Agriculture.

Egg Yolk—Higher cost of replacements from the West has further strengthened this market. Sales were reported up to $1.06 per pound carlots, Chicago. Steady demand for spot delivery, combined with limited stocks, resulted in sellers raising quotations to $1.08 to $1.12 per pound on the spot, depending upon quantity. Holders of supplies also limited sales to less than carlot quantities.

Potato Starch—Trading was restricted to moderate quantities of Maine starch for immediate needs. Market was unchanged and steady. Active demand was reported for Idaho starch from western consumers, which was unsatisfied because production was sold up. Sales of Maine starch took place on the basis of 5.80c. per pound, carlots, New York delivery, and at 7c. to 7¼c. for smaller quantities, ex warehouse. World potato production in the 1948-49 season is estimated at 9,000,000,000 bushels or 12 percent above the prewar average of 8,000,000 bushels. This is the first crop since the war to exceed prewar levels. The 1947-48 world crop was 7,300,000,000 bushels and the 1946-47 was 7,100,000,000 bushels. The United States production increased from 356,000,000 bushels prewar to 446,000,000 bushels or 25 percent.

Rice Starch—Steady demand was noted for small lots of imported starch at 10½c. per pound, ex warehouse.

Sago Flour—Buying interest subsided following the arrival of several lots which were readily absorbed. Stocks on the spot were light and quoted at 7¼c. to 7½c. per pound, ex warehouse as to seller and quantity. Primary market was easier and good quality was quoted at 6½c. per pound, ex dock for May-June shipment.

Tapioca Flour — Fairly active demand was noted for low grade and sales of good volume took place at 7c. to 7¼c. per pound, on spot as to quantity. Other grades also were in light supply and well held at former levels. High grades were quoted at 10½c. to 10¾c. per pound and medium at 9½c. to 9¾c., according to quantity. Offers for shipment from Brazil were limited and firm.

Tanning Materials

Chestnut Extract — Consumers continued to take limited quantities for immediate requirements. Prices were without change.

Cutch—Limited available supplies for shipment from producing centers continued to affect trading. Consuming inquiry was quite active for replacements. Quotations were unchanged and firm.

Divi Divi—Trading was reported slow. Inquiry showed no improvement for shipment. Prices were unchanged and well at primary centers.

Mangrove Bark—Fairly active consuming interest was noted for this material. Stocks for shipment from Africa were reported scarce. Market remained firm.

Myrobalans—Offers for shipment from India were well held at current levels. Inquiry was light, but producers were not offering freely as the last crop was materially reduced by inclement weather. Imports totaled 2,410 bags at New York last week against prior orders.

Quebracho Extract—Trading was restricted to prompt requirements. Volume of business of late was reported well below that for this time last year. Sizable inventories were reported held by most tanners. Prices for shipment were unchanged. Arrivals at New York totaled 5,415 bags and 2,100 bags at Philadelphia last week against former contracts.

Wattle—Tanners continued to place occasional orders for bark and extract for prompt shipment for actual needs. Prices were unchanged and steady. Imports of bark totaled 2,800 bales at New York last week for delivery on previous orders.

For Late Market Developments, See Page 4

ONE POUND OR A CARLOAD

ALBUMENS

Always Uniform — Always Dependable

Liquid or dried egg albumens—in every form for every industrial use. Write for samples and quotations.

H. Gartenberg & Co., Inc.

Largest Manufacturers of Technical Egg Products

412-16 W. PERSHING RD. • CHICAGO 9, ILL.

Cable Address Gartegg

Natural BICHROMATES

NATURAL PRODUCTS REFINING CO.

904 GARFIELD AVE., JERSEY CITY 5, N. J.

STARCHES · SIZES · ADHESIVES

POTATO STARCH & DEXTRINES
TAPIOCA FLOUR & DEXTRINES

SAGO FLOUR — RICE STARCH — WHEAT STARCH
LOCUST BEAN GUM — CASEIN — ANIMAL GLUE

AMERICAN KEY PRODUCTS, Inc.

WOrth 2-7669 15 PARK ROW, NEW YORK 7, N. Y.

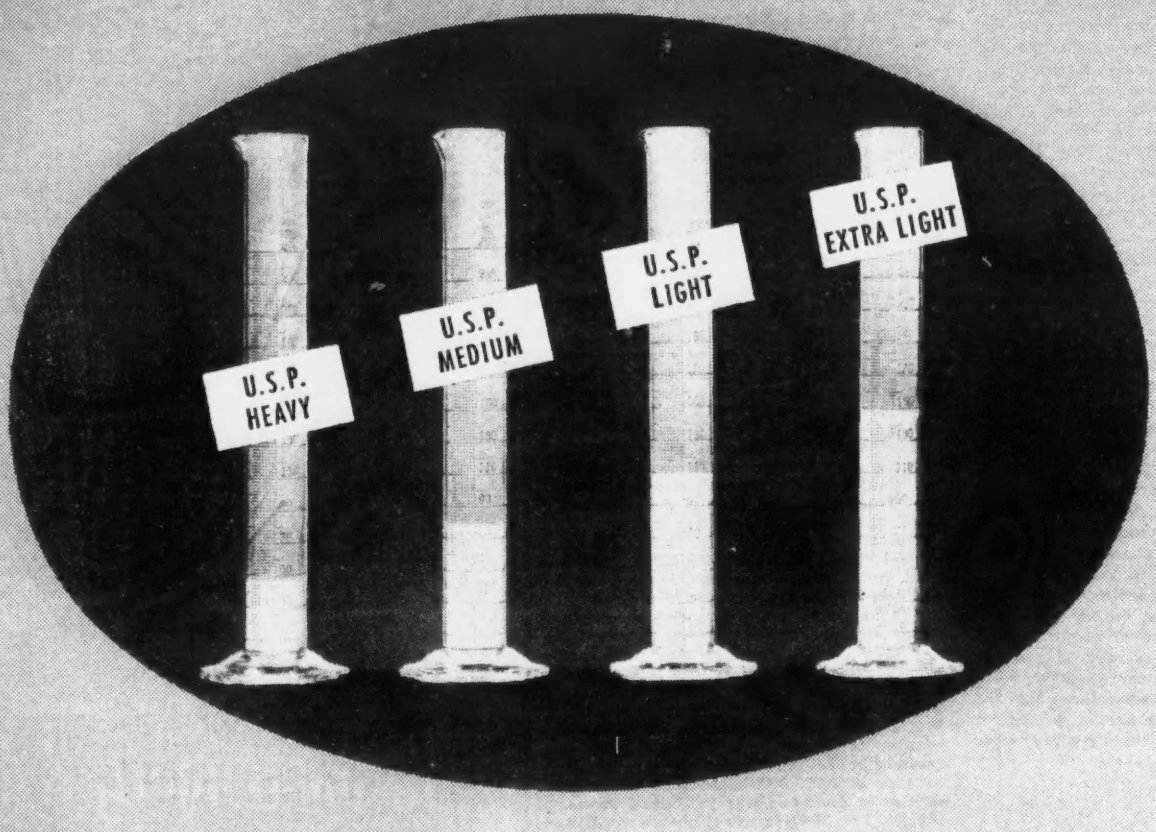
Mutual Bichromates

SODIUM BICHROMATE
POTASSIUM BICHROMATE
CHROMIC ACID

MUTUAL CHEMICAL CO OF AMERICA — SINCE 1845

MUTUAL CHEMICAL COMPANY OF AMERICA

270 MADISON AVENUE NEW YORK 16, N.Y.



Which is Your Bismuth Subcarbonate?

Very likely one of these four Bismuth Subcarbonates is right for your antacid preparation. Which one is it?

Your choice depends on the density you need to manufacture your particular product—which one works best for you in making your liquids, powders, or tablets. Baker offers several densities, tailored to meet your requirements.

Look at the photograph above. Each of the four graduates contains an *identical weight* of Bismuth Subcarbonate. However, on a *volume basis* there is a wide variation.

Although the volume differs widely with each density, all have this in common: All are of highest quality and purity. All will be found uniform, run after run.

For products which are suspensions in a fluid, Baker has also been able to produce a Special Bismuth Subcarbonate, Suspension Grade.

Baker's Bismuth Subcarbonates, and Baker's Bismuth Nitrate, Subgallate, Subnitrate, Oxychloride, and Subsalicylate, are made from the purest grades of bismuth metal. A reagent grade of acid is used for the initial reaction. Color of these chemicals is exceptionally stable under exposure to actinic light.

Samples and prices will be forwarded gladly upon request. Write to *Fine Chemical Division*, J. T. Baker Chemical Co., Phillipsburg, New Jersey.

Baker's Chemicals

C. P. ANALYZED • FINE • INDUSTRIAL

Drugs and Fine Chemicals

This market last week was characterized by price movements which were mostly downward. Only menthol, caught in a tightening market situation, advanced. The advance was rather sharp amounting to 25 cents per pound following a 40 cent rise in the previous week. Sharp reductions were effected on certain drug items during the week, although drugs as a whole were markedly stable. Aminophylline was reduced $1.90 per pound, theophylline dropped $1.50, and the commercial grade of phloroglucinol declined sharply by $2.50 per pound. Chemicals and solvents showed some price declines. Methanol was down 2 cents per gallon and acetaldehyde was off ½ cent per pound. Normal butyl alcohol and acetate were reduced 1 cent per pound while the secondary acetate and alcohol declined ½ cent. The index changed 0.7 point becoming 258.1.

The methanol price reduction was the result of several factors including an overall lessened demand and consequent accumulation of stocks, the pricing policy and a small amount of price shading in certain quarters, and the attempt by ethyl alcohol producers to recapture some of the antifreeze market which they had lost in recent years to the methanol industry in which ethanol antifreeze at the retail level was reduced from $1.50 to $1 per gallon.

The butyl solvents price reductions were the result of an extended period of low demand in which there was some price shading developing in certain sections, together with the feeling that an increased use of butyl solvents would result in lacquer formulations in the event that butyl prices were adjusted somewhat closer to certain of the ketones. This is a trend which in recent months has been on the increase and the price reduction was felt likely to speed the process.

The reasons behind the reduction in the price of normal propyl alcohol were principally to be found in increased output involving to some extent certain cost savings, together with an effort to move the material in larger volume.

The overall business picture was one of continued reduced volume and varied from moderately slow to poor with different industries. However, it was encouraging to note that there was a considerable amount of price stability, no run away downward on prices. And a good point could be noted with respect to a favorable business outlook in the coming summer months. This favorable indication lay in the low consumer inventory situation in which consumers had over recent months cutback purchases extensively and allowed inventories to fall considerably below normal. In several sections of the chemical industry consumers were suddenly finding that they had insufficient material on hand to take care of incoming orders for their products. The result was more chemical orders marked for immediate delivery, and a tendency to buy in amounts which would place their inventories in a near normal position. Such inventory replacement was viewed as likely to lead to a better business situation generally for the summer, or at least tend to prevent its getting significantly worse.

Acetaldehyde—The price of this material was reduced ½c. per pound by a major producer bringing the new price schedule to 9½c. in tankcars, 11½c. in drum carlots, and 12c. in less than carlot quantities. Currently a spread of ½c. per pound existed on the market. Supplies were described as adequate to meet all calls, with demand moderate.

Acetyl Chloride—Price quotations on this material in carboys was quoted at 50c. to 60c. per pound, depending upon quantity.

Acid, Succinic—A purified grade of this material was available in substantial quantities under a firm price structure. Quoted prices were 65c. per pound in 250-pound barrels, 68c. in 100-pound barrels, and 75c. in less than 100-pound packages. These prices were on an f.o.b. works basis.

Alcohol—Prices were unchanged last week.

The Alcohol Tax Unit, Bureau of Internal Revenue, Treasury Department, on May 2 released data on the supply, production, withdrawals, and stocks of ethyl, completely denatured and specially denatured alcohol during the month of March, 1949, in comparison with March, 1948:—

Market Trends

Prices Advanced

Menthol, natural, 25c. per lb.

Prices Reduced

Acetaldehyde, ½c. per lb.
Alcohol, butyl, normal, 1c. per lb.
secondary, ½c. per lb.
propyl, normal, 4c. per lb.
Aminophylline, $1.90 per lb.
Butyl acetate, normal, 1c. per lb.
secondary, ½c. per lb.
Methanol, synthetic, 2c. per gal.
Phloroglucinol, commercial, $2.50 per lb.
Theophylline, $1.50 per lb.

Comparative Price Indexes

(100—August 1, 1914)

Last week	Prev. week	Last month	Last year
258.1	257.4	256.6	252.5

(For Current Prices see Page 9)

Production

	Proof gallons 1949	1948
Ethyl	28.293.270	29.264.764
*Completely denatured	160.114	292.787
*Specially denatured	14.959.607	12.723.672

Withdrawals

	Wine gallons 1949	1948
†Ethyl, tax paid	3.113.568	3.237.384
tax free	28.124.717	21.316.141
*Completely denatured	221.119	269.637
*Specially denatured	13.867.339	12.776.199

Stocks

	Gallons 1949	1948
†Ethyl	37.707.696	29.808.482
*Completely denatured	115.462	127.992
*Specially denatured	4.133.927	1.484.865

* Wine gallons. † Proof gallons.

According to the Alcohol Tax Unit, materials used in industrial alcohol plants in March of 1949 and 1948, were as follows:—

	Pounds 1949	1948
Corn and corn products	7.831.614	26.004.608
Rye and rye products		
Malt and malt products	691.275	6.518.270
Wheat and wheat products	36.040	.....
Sorghum grain and sorghum grain products	1.339.700	34.659.529
Total grain	9.868.629	67.182.407
Potatoes & potato products	3.565.063	12.642.673
Ethylene gas	4.395.730	
Other materials	156.910	414.499
	Wine gallons 1949	1948
Molasses	12.044.732	10.387.271
Ethyl sulphate	10.884.423	10.018.243
Sulphate liquors	20.640.900	20.332.400
Other materials	1.800.783	1.010.291
†Products used in redistillation	3.238.183	2.862.664

† Proof gallons.

Aminophylline—The price position of this material assumed a significantly lower level last week, as there became effective quotations of $6 per pound, $1.90 off from the former level of $7.90 based upon 100 pound lots. The price of the ethylenediamine ester of theophylline thus became the same as the price of theophylline which was lowered $1.50 per pound at the same time.

Butyl Acetate—The price schedule on normal butyl acetate was reduced 1 cent per pound last week on both synthetic and fermentation material. This brought the current price position to 14c. per pound in tankcars, 15½c. in drum carlots, and 16½c. in less than drum carlots. The market showed some indications of strengthening in certain quarters, but was still generally regarded as weak. This situation led to some price shading which resulted in the reduction of official price schedules.

Butyl Acetate, Secondary — This material was reduced in price ½c. per pound following the 1c. reduction made on the normal acetate.

Butyl Alcohol—The price schedule on both synthetic and fermentation normal butyl alcohol was reduced 1c. per pound last week. This brought the current price schedule to 14c. per pound in tankcars, 15½c. in drum carlots, and 16½c. in less than carlot drum quantities. Prices in the West were 1c. higher.

This solvent market has been weak for several months although there was reported some slight strengthening in certain quarters. Under these conditions, there was some price shading which led to a reduction in official price schedules.

Butyl Alcohol, Secondary — This material was reduced ½c. per pound following the reduction of 1c. made on the normal alcohol.

Butyl Stearate — The present market price on butyl stearate was quoted at 32c. per pound in carlots and 33c. in less than carlot quantities. Supplies were reported quite ample to meet all consuming needs.

Castor Oil—This market was generally quiet last week. Beans were still nomi-

For Late Market Developments, See Page 4

ALKALOIDS
Glucosides ... Drug Extractives

Aconitine, Agaricin, Arecoline, Asparagin, Aspidospermine, Atropine, Berberine, Brucine, Colchicine, Digitalin, Emetine, Ephedrine, Esculin, Eserine, Homatropine, Hydrastine, Hyoscine, Hyoscyamine, Lobeline, Ouabain, Pelletierine, Physostigmine, Picrotoxin, Pilocarpine, Podophyllin, Quassin, Rutin, Salicin, Sanguinarine, Santonine, Scopolamine, Sparteine, Strophanthin, Strychnine, Yohimbine.

INLAND, THE HOUSE OF ALKALOIDS
INLAND TIPTON, IND
PRICE COMMENSURATE WITH QUALITY SINCE 1917

INLAND ALKALOID COMPANY
MANUFACTURING CHEMISTS
TIPTON, INDIANA, U.S.A.

QUALITY
... photographic and diazotype chemicals

DIAZOTYPE CHEMICALS (light sensitive)
p-Diazo Diphenylamine sulfate (Compound No. 1)
p-Diazo Dimethylaniline zinc chloride (Compound No. 8)
p-Diazo Diethylaniline zinc chloride (Compound No. 9)
p-Diazo Ethyl Hydroxyethylaniline zinc chloride (Compound No. 10)

COUPLING AGENTS
Phloroglucinol, technical
R-Salt (2-naphthol-3, 6-disulfonic acid, sodium salt)
Naphthalene Trisulfonic Acid, sodium salt
Edwal Coupler Compound 111

PHOTOGRAPHIC DEVELOPING CHEMICALS
Chloro-hydroquinone
p-Aminodiethyl-aniline hydrochloride Ortho-phenylenediamine

PHOTOGRAPHIC RESTRAINERS
Benzotriazole, purified Orthazite

PHOTOGRAPHIC FIXER
Ammonium thiosulfate, crystals and 60% solution

BLUEPRINT INTENSIFIER
Prussaid (Manufactured under H. P. Andrews Paper Co. License)

EDWAL
Manufacturers Quality Fine Chemicals

THE EDWAL LABORATORIES, Inc.
732 Federal Street, Chicago 5, Ill.

U.S.P. GLYCERINE
PROCTER & GAMBLE
Gwynne Building, Cincinnati 2, Ohio
Commerce Building, 155 East 44th Street, New York City 17
LARGEST PRODUCERS AND REFINERS OF
CHEMICALLY PURE
PACKED IN DRUMS AND IN CANS
GLYCERINE
ALSO OTHER GRADES • STOCKS IN PRINCIPAL CITIES

LEVER BROTHERS COMPANY
Producers and Refiners of
GLYCERINE
50 Memorial Drive Cambridge 39 Mass.

ALL GRADES OF REFINED GLYCERINE
U. S. P. B. P.
YELLOW DISTILLED
HIGH GRAVITY
DYNAMITE
REFINERIES LOCATED AT
★ Brooklyn, N. Y.
★ Jeffersonville, Ind.
★ Jersey City, N. J.
★ Berkeley, Calif.
★ Kansas City, Kans.
COLGATE-PALMOLIVE-PEET CO.
GLYCERINE DEPARTMENT
105 HUDSON STREET JERSEY CITY 2, NEW JERSEY

AHCO PRODUCTS
Stearic Acid
SAPONIFIED
TRIPLE-PRESSED IN SPRAY OR SLAB FORM
Glycerine
88% SAPONIFICATION CRUDE
Red Oil
SAPONIFIED — LOW TITRE
Harkness & Cowing Division, Cincinnati, Ohio
ARNOLD-HOFFMAN & CO., INCORPORATED
Manufacturing Chemists
PROVIDENCE, R. I.
Established in 1815 • Plants at Dighton, Mass., Charlotte, N. C., and Cincinnati, O.
NEW YORK • PHILADELPHIA • CHARLOTTE • CINCINNATI

nally quoted at $103 per long ton with no offerings.

Imports last week amounted to 26,827 bags equivalent to 4,024,050 pounds, compared with 10,868 bags or 1,630,200 pounds the previous week and 6,721 bags or 1,006,800 pounds during the corresponding week of last year.

Total arrivals since January 1 of this year amounted to 195,567 bags equivalent to 119,338,550 pounds, compared with 524,502 bags or 78,675,300 pounds during the corresponding period of 1948.

Cocoa Butter—The current market position of this material was reported as steady with prices quoted at 44c. per pound for carlot bag quantities, and 45c. for less than carlot amounts. Exports of cocoa butter in 1948 amounted to 1,499,399 pounds. Switzerland was the largest individual buyer, taking 1,018,638 pounds.

Dipentaerythritol — The current market position of this material was one of less carlot shipments available at 34c. per pound in bags, which was a decline of 3c. per pound made soon after the reduction of regular pentaerythritol reported previously. This material was in greater supply and demand than tripentaerythritol, but was of course only a small item in relation to the regular isomeric mixed alcohol.

Formaldehyde—This item has long been in a very weak position in which there was an oversupply against curtailed demand. Last week it was noted that some slight strengthening of the market was developing particularly in the West, although there were few signs of it in the East.

The price of formaldehyde was cut so low last December in view of the weakening market, that profit margins fell dangerously low. Accordingly, there was little expectation that the recent reduction of 2c. per gallon on methanol would result in any further lowering of the price of formaldehyde. Most formaldehyde currently moved under contracts at current price levels and it did not appear that any price adjustment was likely to develop in the immediate future. Whether formaldehyde was produced from methanol or by the direct oxidation of ethylene, a uniform price position was expected to be maintained.

The situation on formaldehyde is typical of many chemicals in which demand has been apparently low for a long time, namely that consumers have not been buying but operating on inventories. In many cases these inventories have been allowed to run so low as to be inadequate, with the result that rush orders for immediate delivery have been placed. There is a feeling expressed in several quarters that this low consumer inventory situation is so wide spread that in order for industry to keep operating on current orders, buying has become mandatory and that there will in the coming summer months be a tendency on the part of consumers to carry more normal inventories which should result in better business generally.

Lanolin—This material was still severely short in supply, and there was not likely to be any significant easing of the critical supply situation until the fall months. Prices were up 2c. per pound generally and demand was in excess of supply, with producers generally in a sold up position. Most price quotations last week stood at 30c. per pound for the anhdyrous cosmetic grade, 28c. for the pharmaceutical material, and 25c. for the hydrous lanolin.

Mercurials—The volume of business in these items continued to be very limited last week, with demand exceedingly slow. This had been the case over a long period and there was no expectation of any significant improvement in demand because most mercurials were being replaced by other drugs in the usual end uses. Business had been so slow that producers have not varied their prices in a long time. When the European cartel boosted the price of mercury some $14 a flask, mercurials were not adjusted upward in price. Now, when the market is making an apparent decline in prices, with little or no trading being done, mercurials are not likely to move in price and price stability was looked upon as the only feature of this dull and quiet market.

Menthol—The price of menthol continued to strengthen sharply last week, and spot material advanced 25c. per pound. This brought the duty paid spot New York price to within the range of $9.25 to $9.35 per pound. Imports last week amounted to 622 cases.

Methanol—A price reduction of 2c. per gallon became industry wide last week on synthetic methanol. There were several factors accumulated behind the price reduction to bring about the price drop. Chief among these was the weakening of demand over recent weeks together with the accumulation of inventories. There was pressure from formaldehyde producers for a reduction in methanol because by last December formaldehyde had so softened that prices were cut to a very narrow profit margin. And the market has not as yet recovered. Then, too, there were some instances of price shading or other concessions which tended to point toward an overall decline. In addition, the pricing policy of ethyl alcohol antifreeze producers in which at the retail level ethanol antifreeze was reduced to $1.00 from $1.40 or $1.50 per gallon had its effect. This was a deliberate attempt on the part of the ethyl alcohol industry to regain

pharmaceuticals in bulk
albumin tannate
calcium iodobehenate, u.s.p. xiii
calcium levulinate, n.f.
calcium camphosulfonate
menadione
mercurophylline, u.s.p.
Write for our catalog
fine organics, inc., 211 e. 19th st., new york 3, n.y.

BEACON HELPS YOU fight rust
TRIETHANOLAMINE PHOSPHATE 728
ANTI-CORROSION ADDITIVE FOR ALL TYPES OF COOLING LIQUIDS USED IN INTERNAL COMBUSTION ENGINES
Characteristics: A yellow viscous liquid soluble in water, alcohols, glycols and glycerine. Sp.G. 130 pH (10% Aq. Soln.) 7.9-8.3
Use: 2.5% in a suitable cooling liquid will inhibit the formation of rust in airplane, automobile, marine engines and industrial cooling systems.
Write today for experimental sample
THE BEACON COMPANY
PURITY · UNIFORMITY · DEPENDABILITY
Chemical Manufacturers
97 BICKFORD STREET
BOSTON 30, MASSACHUSETTS

some of the antifreeze business which in recent years had been lost to methanol. The reduction of 2c. per gallon on methanol at the producers level was felt to be a factor in enabling the methanol antifreeze producers to meet in part the price competition of ethanol, and this together with such technical advantages as a constant boiling mixture and greater temperature protection per gallon was expected to maintain a competitive position for methanol.

The new price schedule in the east and midwest became 26c. per gallon on a freight allowed basis in tankcars, 38c. per gallon in drums carload, and 41c. in less than carlot drum quantities. West of the Rocky mountains the new price schedule was 31c. per gallon in tankcars, 45c. in drum carlots, and 47½c. in less than carlot drum shipments.

Pentaerythritol — This polyhydric alcohol was reportedly moving in quite good volume, although demand was off somewhat in line with chemical demand in general and the slump in the resin business in particular. Accordingly the supply situation while not abundant could certainly be described as adequate, and this was quite a marked change from the shortage which existed a year ago. Prices have held firm over recent weeks at 29c. per pound for carlot quantities, and from 31 to 33c. per pound for smaller shipments.

Phloroglucinol—The commercial grade of this material was reduced in price $2.50 per pound. This brought present quotations from $7 per pound down to $4.50. Supplies were reported as adequate.

Propionaldehyde—There were ample quantities of this material available for current needs together with a production potential which would permit a wide expanded industrial usage in accordance with developments. Prices were firmly quoted at 25c. per pound in tankcars, 28½c. in drum carlots, and 29½c. in less than carlot drum quantities.

Propyl Alcohol, Normal—The greater production and availability of this material resulted in a price reduction of approximately 4c. per pound net. Heretofore the material has been sold on an f.o.b works basis at 10½c. per pound in tankcars, 12c. in drum carlots and 12½c in less than carlot drum quantities. Under the new price schedule the material is available either on an f.o.b. works basis or a delivered basis, whichever is lower to the consumer. The new f.o.b works price schedule is 6½c per pound in tankcars, 8c. in drum carlots, and 8½c in less than carlot quantities. On a delivered basis, the new price is 8c. per pound in tankcars, 9½c. in drum carlots, and 10c. in less than carlot quantities.

Propylenedichloride—This item was in plentiful supply under an apparently quite firm price structure unchanged from that of recent months. Tankcars were quoted at 7c. per pound, and demand was described as moderate.

Streptomycin—Our import listings this week show 20 cartons of streptomycin arriving at New York from Hong Kong. This shipment represents material being returned to this country.

Theophylline—The new lower price on this material is $6 per pound in 100 pound lots became effective last week. This was a $1.50 per pound reduction from former price schedules. Supplies were plentiful against moderate demand.

Tripentaerythritol—The supply of this item was still relatively small and no increase above the limited supply was expected. Prices were quoted at 36c. per pound in less than carlot bag quantities, which was a 1c. per pound price reduction effected shortly after the price reduction in regular pentaerythritol some weeks ago.

Missouri Drug Club To Meet on Wednesday

The Associated Drug and Chemical Industries of Missouri will meet at the Sheraton hotel, St. Louis, on May 11. The featured speaker will be Deane W. Malott, University of Kansas, who will discuss "America the Profligate."

Brooklyn Polytech Plans Summer Laboratory Clinics

The Institute of Polymer Research and the division of applied physics of the Polytechnic Institute of Brooklyn will present four Summer laboratory clinics during the period from June 6 to July 29. "Industrial Applications of X-Ray Diffraction" is scheduled from June 6 to June 17; "Advanced X-Ray Diffraction" from June 27 to July 2; "Molecular Weight Determination of Polymers" from June 27 to July 1, and "Polymerization Techniques" from July 25 to July 29.

CAMPHOR
U·S·P
★ Powder
★ Tablets
Chemical Division
McKESSON & ROBBINS INC.
155 EAST 44th ST. • NEW YORK 17 N. Y.
• Offices in All Principal Cities •

Chemicals and Pharmaceuticals
ACID BORIC USP
ACID PYROGALLIC USP
ACID TANNIC USP
ACRIFLAVINE NF
CALOMEL USP
CHRYSAROBIN USP
COUMARIN NF
IODINE
IRON AMMONIUM CITRATE GREEN
PROFLAVINE NNR
All the Above Items Available Below Manufacturer's Prices
Conray PRODUCTS CO.
510 AVENUE OF THE AMERICAS, NEW YORK 11, N. Y.
CABLE ADDRESS "CONRAYPRO"

PRODUCERS FOR OVER 50 YEARS
of
Standardized and Biologically Controlled
GLANDULAR PRODUCTS
and
HORMONES
GEDEON RICHTER
●
GEDEON RICHTER PHARMACEUTICAL PRODUCTS INC.
20 Exchange Place, New York 5, N. Y.
HAnover 2-5898 Cable—Lecithin
London N. W. 5 14-18 Weedington Rd.
Cable—Lecithin
Mexico, D.F. Blvd. Miguel Cervantes Saavedra 5
Cable—Prorich
PHARMACEUTICAL TRUST LTD.
14-18 High Holborn London W.C.1, England
Cable Address—Pharmoholb London

To Meet Your Needs . . .

Octylene Glycol has been added to our glycol family. Due to its low water-solubility, octylene glycol is useful as an intermediate for plasticizers and alkyd resins. Its low hygroscopicity and volatility combined with its hydrocarbon solubility make it valuable as a coupling and blending agent for metal cutting, leather, and textile oils.

CARBIDE and CARBON CHEMICALS CORPORATION

Unit of Union Carbide and Carbon Corporation
30 East 42nd Street UCC New York 17, N. Y.

Sodium
Potassium
Ammonium
BROMIDES
Bromine

J. Q. DICKINSON & CO. :-: MALDEN, W. VA.
FOUNDED 1835

RUTIN
In Treatment of Capillary Fragility
Associated with Hypertension

SACCHARIN USP
Soluble and Insoluble Powder
Granular and Rice Crystals

PHENACETIN
(Acetophenetidin USP)

SYNTHOMENTHOL
Synthetic Menthol Crystals having cooling effect
and odor similar to natural menthol.

SULFONAMIDE PLASTICIZERS

AMINOPYRENE • ANTIPYRENE • ASPIRIN • CAFFEIN
BARBITURATES • SULFA DRUGS • CALOMEL USP
DRUGS

FINE CHEMICALS PHARMACEUTICALS

BENDIX CHEMICAL
CORPORATION

422 LEXINGTON AVE., N. Y. 17, N. Y. MU-3-3204 CABLE ADDRESS: BENDIXCHEM

Quinidine Stockpiling Gets Special Handling

The Economic Cooperation Administration mission to the Netherlands has purchased 200,000 ounces of quinidine sulphate at a cost of $268,200 for the United States stockpile from the N. Y. Bureau Voor den Kineneverkoop in Amsterdam. Funds for the purchase come from the Indonesia and Netherlands counterpart guilder funds which have been set up by the two governments under the ECA program in amounts equal to the grants in dollars in Marshall plan aid.

The mission's announcement stated that, normally, small amounts of quinidine are produced as a byproduct in quinine manufacture. It continued:—"Demand for quinine has decreased in the last few years, and as a result, insufficient natural quinidine is being manufactured at present. The quinidine bought for the United States stockpile is known to the trade as "synthetic " quinidine and is identical with the natural product. The processing of this order, which will be carried out by the Nederlandse Kinenefabriek N. V. in Netherlands, will require the processing of about 200 tons of cinchona bark and take around six months to complete."

Organic Sulphur Standards Available at National Bureau

The National Bureau of Standards is making available high-purity standard samples of organic sulphur compounds to laboratories in the petroleum, chemical, and related industries. These compounds are prepared, under the sponsorship of the American Petroleum Institute, by the Bureau of Mines, where they are used for the measurement of needed physical, thermodynamic, and spectral properties. A portion of each compound is set aside to provide standard samples for calibration of analytical instruments and apparatus in research, development, and analytical laboratories.

Three compounds have been issued in this cooperative program:—2-Thiabutane (methylethyl sulphide), 3-thiapentane (diethyl sulphide) and thiophene. They are priced at $35 for a 5-ml. unit.

Instructions for ordering may be obtained from the National Bureau of Standards, Washington 25. Directions for transferring the samples "in vacuum" are also available from the bureau.

Plough Gets $3,000,000 Loan

Plough, Inc., Memphis, Tenn. has obtained a $3,000,000 loan from the Prudential Insurance Company of America to finance the purchase and expansion of the Memphis plant formerly occupied by the American Coating Mills, and to retire existing funded debts of about $1,500,000. In addition to its "St. Joseph" aspirin, the company manufactures other "St. Joseph" and "Penetro" family remedies as well as a line of cosmetics and household necessities such as cleaning fluid, lubricating oil, and lighter fluid.

FINE ORGANIC CHEMICALS

OINTMENTS
POWDERS
LIQUIDS

Complete compounding and filling equipment available for private label work on products to be packed in tubes, bottles, and jars.

Inquiries Invited

CH-11

Chemical Division
WALLACE & TIERNAN PRODUCTS, INC.
Belleville 9, New Jersey

METHYLENE CHLORIDE
Refrigeration and
Paint Remover Grades

CHLOROFORM
Technical Grade

CHAPLAIN & BIBBO
110 Washington St. New York 6, N. Y.
Tel. BO 9-1636

HAVE YOU EXAMINED
THE INTERESTING PROPERTIES OF
Levulinic Acid
AVAILABLE COMMERCIALLY
TECHNICAL INFORMATION & QUOTATIONS ON REQUEST
DEVELOPMENT DIVISION
A. E. Staley Mfg. Co., Decatur, Ill.

***A New Improved* UNIVERSAL ... COLLOID AGENT**

IT SUSPENDS . . .
IT GELS . . .
IT EMULSIFIES . . .
IT STABILIZES
IT THICKENS . . .

We are now producing from Carragheen two new improved types of gelose. One of them should be the answer to your emulsifying, suspending, thickening or stabilizing problems.

KRIM-KO GEL is an all-purpose colloid-assistant. Properly used, it has been proved effective in many of the most exacting food, pharmaceutical and industrial applications.

CARRAGAR is an agar-type gelatin which forms tender, fruit-like gels over a wide pH range. It does not require acidulation to produce desired results.

Send for free liberal working samples for experimental use.

Heads Seventeen Club

Edward G. Ladewig, vice-president in charge of the international division of the Bristol-Myers Company, New York, has been elected president of the Seventeen Club. The organization, whose membership is limited to seventeen, is composed of export executives of various companies in the drug and pharmaceutical field.

Owens-Illinois Names Two

The Owens-Illinois Glass Company has elected Carl R. Megowen executive vice-president and has named Hugh C. Laughlin a vice-president. Mr. Megowen is also a director of the company. Mr. Laughlin was formerly associated with Lazard Freres.

Temple Univ. Gets Research Grant

A grant of $15,000 has been made to the Temple University School of Pharmacy for research in the use of specific drugs, which it is hoped may prove to be the key to substances that will alleviate cancer. Dr. H. Evert Kendig, dean, revealed that the money for the study has been advanced by A. C. Bonebrake and J. Warren Smith, both of Portland, Ore., and Wallace M. V. Lynch, of Upper Darby, Pa.

Glycol Ethers of Wool-Wax Alcohols Made in England

Commercial production of new water-soluble polyoxy-ethyleneglycol ethers of wool-wax alcohols is reported by Croda Limited, the well-known British lanolin concern.

These new products are mixed ethers of cholesterol, lanosterol, and straight-chain alcohols. They are offered as non-ionic surface-active agents. They are offered under the trade-name, "Polychol," and are graded 1.M. (mono-ethers) and 1.D. (diethers). Various contents of ethylene oxide polymer will be introduced in anhydrous (solid) form and in 50-percent aqueous solution.

E. S. Lower, Croda's technical director, says that the "polychols" represent an entirely new departure in agents for wetting and related uses. He points out that the polarity of their molecules will be largely owing to the sterols and triterpene alcohols, as distinct from straight chains of the higher aliphatic alcohol ethers.

Government Patents Available

Eight WRRL patents, assigned to the Secretary of Agriculture, are being offered for practice on a royalty-free, nonexclusive, nontransferable, revocable basis. They cover the following materials:—Dispensing agents (2,447,715); plasticizers for resins (2,448,602); low-methoxyl pectinic acids (2,448,818 and 2,457,577); gramicidin (2,453,534); lipovitellin (2,454,915); pectic enzymes (2,457,560); diastase (2,457,754). Applications should be addressed to the Bureau of Agricultural and Industrial Chemistry, Department of Agriculture, Washington 25.

Trade Briefs

Winthrop-Stearns, Inc., is currently offering "Tofaxin," its brand of tocopherol, in capsules of higher potency.

Bodeker Drug Company, Richmond, Va., has elected J. Harvie Wilkinson jr. to its board of directors.

William Tarpley, jr., research chemist with Schering Corporation, pharmaceuticals, Bloomfield, N. J., is in Oak Ridge, and its various subsidiaries in the United States and Canada. He is making his headquarters at the main office in New York.

MILK SUGAR
(LACTOSE)

CASEIN
("KB" BRAND)

AND

OTHER MILK PRODUCTS

OF THE HIGHEST QUALITY

Manufactured since 1917 by

AVOSET COMPANY
(formerly California Milk Products Company)

MILK PRODUCTS DIVISION

SMITH, KLINE & FRENCH LABORATORIES

1530 SPRING GARDEN STREET, PHILADELPHIA 1, PA.

tuteur hormones

DIENESTROL

TESTOSTERONE

PROGESTERONE, U. S. P.

DIETHYLSTILBESTROL, U. S. P.

NATURAL ESTROGENIC SUBSTANCES

TUTEUR BIO-CHEMICALS, Inc.

60 WALL STREET, NEW YORK 5, N. Y.

KESSCO PRODUCTS CHEMICAL SPECIALTIES

PROPYLENE GLYCOL DIPROPIONATE

DIBUTYL TARTRATE

BUTYL STEARATE BUTYL OLEATE

BUTYL "CELLOSOLVE"* STEARATE

METHYL "CELLOSOLVE" OLEATE

*TRADEMARK OF C&CCC

STEARATES PALMITATES

OLEATES RICINOLEATES

LAURATES

for the

Textile, Cosmetic, Pharmaceutical Petroleum, Plastic and Allied Industries

KESSLER CHEMICAL CO., INC.

ESTABLISHED 1921

STATE ROAD and COTTMAN AVE. · PHILADELPHIA 35, PA.

Imports at United States Ports

New York

AMYRIS OIL—10 dms, Norda Essential Oil & Chemical Co, Doros, Port au Prince

ANILIN COLORS—1 bbl, American Anilin Products Corp, Robert Maersk, Antwerp

ANISE—110 bgs, K H Landes Co, Agwistar, Vera Cruz
110 bgs, S B Penick & Co, Agwistar, Vera Cruz

OIL—10 dms, Lo Curto & Funk, Pioneer Cove, Hongkong
5 dms, Felton Chemical Co, Pioneer Cove, Hongkong
5 dms, Norda Essential Oil & Chemical Co, Pioneer Wave, Hongkong

ANTIMONY ORE—400 bgs, Treasury Dept., Santa Luisa, Antofagasta

ARABIC GUM—580 bgs, Virchand Panachand Co, Exhibitor, Port Sudan
500 bgs, Henry Heide Co, Exhibitor, Port Sudan
50 bgs, Innis, Speiden & Co, Exhibitor, Port Sudan
320 bgs, Paul A Dunkel Co, Exhibitor, Port Sudan
102 bgs, The Meer Corp, Exhibitor, Port Sudan

ARECA NUTS—80 bgs, The Meer Corp, Exhibitor, Colombo
32 bgs, J L Hopkins & Co, Exhibitor, Colombo

ARGOLS—2,111 bgs, Exbrook, Brindisi
2,595 bgs, Tartaric Raw Materials Corp, Exceller, Algiers

ASBESTOS FIBER—2,145 bgs, Johns Manville Co, City of Bristol, Lourenco Marques

BEESWAX—16 bgs, Machado & Co, Cornelia, Puerto Plata
24 bgs, J A Davis, Inc, Exbrook, Izmir
10 bgs, Agwistar, Havana
90 bgs, R Quibell & Co, Exceller, Tangier
60 bgs, Davis Irwing Co, Mormachawk, Puerto Alegre
30 bgs, Geck Trading Co, Suzanne, Ciudad Trujillo
23 bgs, Curacao Trading Co, Suzanne, Ciudad Trujillo
18 bgs, Poons Co, Suzanne, Ciudad Trujillo
22 bgs, Irving Trust Co, Suzanne, Ciudad Trujillo
37 bgs, Cornelius Products Corp, Doros, Port au Prince

BERBERIS ROOT—25 bls, S B Penick & Co, Topusko, Rijeka

BERGAMOT OIL—50 cs, Magnus, Mabee & Reynard, Inc, Flying Enterprise, Rotterdam
8 cs, Chase National Bank, Exbrook, Messina

BERYL ORE—800 bgs, The Beryllium Corp, Loide Bolivia, Ilheus

BISMUTH, REFINED—101 cs, Cerro De Pasco Copper Corp, Santa Luisa, Callao

BONES—165,867 lbs, Geck Trading Co, Seatrain New Jersey, Havana
64,727 lbs, Geck Trading Co, Seatrain Texas, Havana
80 bgs, International Packers Commercial Co, Mormachawk, Rio Grande

CRUSHED—1,100 bgs, American Agricultural Chemical Co, Steel Admiral, Bangkok

MEAL—2,070 bgs, Elbert & Co, Mormacmar, Buenos Aires

CAMPHOR, REFINED—37 cs, Enco Chemical Co, Pioneer Cove, Kobe

CANARY SEED—400 bgs, Bank of Manhattan Co, Hav, Casablanca
277 bgs, Transatlantic Commodities Corp, Exceller, Tangier

CARAWAYSEED—100 bgs, Robert Maersk, Rotterdam

CARNAUBA WAX—395 bgs, Wax & Rosin Products Corp, Pachitea, Parnahyba
126 bgs, Innis, Speiden & Co, Pachitea, Parnahyba
313 bgs, Fredrick Henjes, jr, & Co, Pachitea, Parnahyba
25 bgs, Frank B Ross Corp, Pachitea, Parnahyba
50 bgs, Strohmeyer & Arpe Co, Pachitea, Parnahyba
105 bgs, Wax & Rosin Products Co, Mormachawk, Bahia
70 bgs, Smith & Nichols Co, Mormachawk, Bahia

CASSIA—30 bls, Wah Young Trading Co, President Fillmore, Hongkong
500 bls, Arthur G Dunn Co, Pioneer Cove, Hongkong
100 bls, Archibald & Kendall Co, Pioneer Cove, Hongkong

OIL—10 dms, Magnus, Mabee & Reynard, Inc, Bengal, Hongkong

CASTORBEANS—1,270 bgs, J Berlage Co, Tweedbank, Kohsichang
19,489 bgs, Baker Castor Oil Co, Mormachawk, Bahia
1,660 bgs, Spencer Kellogg & Sons, Inc, Montevideo, Recife
2,591 bgs, Spencer Kellogg & Sons, Inc, Horda, Santos
394 bgs, Spencer Kellogg & Sons, Inc, Doros, Jacmel
740 bgs, Spencer Kellogg & Sons, Doros, Cape Haitien
683 bgs, Baker Castor Oil Co, Doros, Port au Prince

CINCHONA BARK—92 bgs, Merck & Co, Cape Ann, Puerto Limon

CINNAMON QUILLS—100 bls, Chavalier & O'Connor Co, Exhibitor, Colombo

CITRONELLA OIL—11 dms, Norda Essential Oil & Chemical Co, Exhibitor, Colombo
17 dms, Norda Essential Oil & Chemical Co, Excelsior, Colombo

COCONUT OIL—1,534 tons, R J Roesling Co, Fernfield, Cebu

COD OIL—50 cks, E F Drew Co, Fort Amherst, St Johns

COGNAC OIL—1 cs, Givaudan-Delawanna Co., Noordam, Rotterdam

COLCHICUM SEED—10 bgs, S B Penick & Co, Topusko, Rijeka

CONDURANGO—79 bgs, Wessel, Duval & Co, Paula Dan, Paita

COPAL GUM—305 bskts, O G Innes Corp, Tweedbank, Macassar
366 bskts, U S Industrial Chemicals, Inc, Tweedbank, Macassar
81 bskts, Balfour, Guthrie Co, Tweedbank, Macassar
100 bgs, O G Innes Corp, Pioneer Cove, Manila

COPPER CONCENTRATES—1,128 bgs, Ayrton Metal Co, City of Bristol, Lourenco Marques

CORIANDER SEED—375 bgs, Transatlantic Commodities Corp, Exceller, Tangier

CORNMINT OIL—7 dms, George Uhe Co, Pioneer Cove, Hongkong

CREAM OF TARTAR—100 bbls, T M Duche & Sons, Exceller, Barcelona

CRESYLIC ACID—72 dms, Lehn & Fink Products Corp, American Traveler, Liverpool
75 dms, American Traveler, Glasgow

CRUDE DRUGS—40 cs, S B Penick & Co, Topusko, Rijeka
19 bls, S B Penick & Co, Topusko, Rijeka

CUMIN SEED—128 bgs, Transatlantic Commodities Corp, Exceller, Tangier
2,053 bgs, Hoech Silverwave, Khoramshahr

CYANIDE PRECIPITATE—8 cs, American Metal Co, Santa Luisa, Puna

DYESTUFFS—99 dms, Sandoz Chemical Works, American Judge, Rotterdam

ESSENTIAL OILS—1 cs, Zanadu Manufacturing Co, Indochinois, Havre
1 cs, J E Bernard Co, Indochinois, Havre
4 cs, Dodge & Olcott, Inc, Exbrook, Messina
20 dms, L A Champon Co, Exceller, Barcelona
20 dms, Orbis Products Corp, Bengal, Hongkong
10 dms, Fritzsche Bros, Inc, Bengal, Hongkong
4 cs, Polak Frutal Works, Noordam, Rotterdam

EUPHORBIA HERB—13 bls, S B Penick & Co, Jalaketu, Tuticorin

FENUGREEK SEED—83 bgs, The Meer Corp, Exbrook, Casablanca
55 bgs, W E Martin Co, Exbrook, Casablanca
112 bgs, S B Penick & Co, Exhibitor, Bombay
280 bgs, W E Martin Co, Exhibitor, Bombay
55 bgs, S B Penick & Co, Exceller, Tangier

FERRO TITANIUM—102 dms, Renson & Co, American Traveler, Liverpool

FISH MEAL—8,017 bgs, Woodward & Dickerson Co, American Judge, Rotterdam

FISHLIVER OIL—68 dms, Consumers Import Co, Pioneer Cove, Yokohama
20 dms, Nopco Chemical Co, Pioneer Cove, Yokohama
3 dms, Karr Ellis Co, Mormacmar, Buenos Aires

FUEL OIL—101,000 bbls, Esso Export Corp, Esso Raleigh, Aruba
64,232 bbls, Asiatic Petroleum Corp, Christopher L Sholes, Aruba
10,000 bbls, Asiatic Petroleum Corp, Santa Paula, Curacao
93,000 bbls, Esso Export Corp, Esso Aruba, Aruba
107,205 bbls, Asiatic Petroleum Corp, Chiwawa, Willemstad
79,933 bbls, Paragon Oil Co, Loideste, Curacao
112,830 bbls, Shell Oil Co, Perote, Curacao
111,613 bbls, Esso Standard Oil Co, Jeanny, Caripito
66,124 bbls, New England Petroleum Corp, William H Carruth, Willemstad

GERANIUM OIL—5 dms, J Manheimer Co, Exceller, Algiers

GHATTI GUM—57 bgs, Intra Mar Shipping Corp, Exhibitor, Bombay

GINSENG ROOT—285 bgs, Irving Trust Co, Ropusko, Rijeka

GLUESTOCK—93 bls, Manufacturers Trust Co, Seatrain New Jersey, Havana
82 bls, Transatlantic Animal By-Products Corp, Seatrain Texas, Havana
181 bls, John Govers, Cornelia, Puerto Plata
32 bls, Transatlantic Animal By-Products Corp, Exhibitor, Karachi

GLYCERIN—85,699 lbs, Colgate-Palmolive-Peet Co, Seatrain New Jersey, Havana
672,000 lbs, Procter & Gamble Co, Pioneer Cove, Manila

GRAPHITE—650 bgs, Isbrandtsen Co, President Fillmore, Fusan
1,250 bgs, J Dixon Crucible Co, Exhibitor, Colombo

GUAIACWOOD OIL—25 cs, Dodge & Olcott, Inc, Beacon Grande, Montevideo
20 cs, Schimmel & Co, Horda, Buenos Aires

GYPSUM—10,377 tons, U S Gypsum Co, Gypsum Prince, Hantsport
10,238 tons, United States Gypsum Co, Gypsum Queen, Hantsport

ILMENITE ORE—6,000 tons, American Cyanamid Co, Jalaketu, Koilthottam

IODINE, CRUDE—125 cs, Felix Kramarsky Co, Pioneer Cove, Yokohama
6 cs, Campax Chemical Co, Pioneer Cove, Yokohama

IPECAC ROOT—4 bls, S B Penick & Co, Brazil, Rio de Janeiro
10 bgs, S B Penick & Co, Cape Ann, Puerto Limon

IRISH MOSS—13 bls, Fine Chemicals of Canada, Topusko, Rijeka

KARAYA GUM—245 bgs, Paul A Dunkel Co, Exhibitor, Bombay
86 bgs, S B Penick & Co, Exhibitor, Bombay
133 bgs, Gold Medal Haarlem Co, Exhibitor, Bombay
200 bgs, Thurston & Braidich, Exhibitor, Bombay
159 bgs, Guaranty Trust Co, Exhibitor, Bombay
109 bgs, Stein, Hall & Co, Excelsior, Bombay
307 bgs, Jacques Wolf Co, Hoegh Silverwave, Bombay
210 bgs, Stein, Hall & Co, Hoegh Silverwave, Bombay

KIRILAC—200 bgs, Bradshaw Praeger Co, Exhibitor, Calcutta

LEMON OIL—200 cs, Exbrook, Messina
40 cs, Canadian Pacific Railroad Co, Exbrook, Messina
200 cs, P R Dreyer Co, Exbrook, Messina

PEELS—20 bbls, Exbrook, Messina

LEMONGRASS OIL—51 dms, Norda Essential Oil & Chemical Co, Exhibitor, Cochin
3 dms, Felton Chemical Co, Exhibitor, Cochin

LIME OIL—2 cs, Lo Curto & Funk Co, Mormacmar, Port of Spain
40 cs, Barclay's Bank, Cape Ann, Kingston

LIVERMEAL—600 bgs, Elbert & Co, Beacon Grande, Montevideo

LOCUST BEAN GUM—200 bgs, T M Duche & Sons, Robert Maersk, Rouen
200 bgs, Paul A Dunkel Co, Robert Maersk, Rouen
250 bgs, Exbrook, Genoa

MAGNESITE, CALCINED—1,860 bgs, Golwynne Chemical Corp, Exhibitor, Madras

MEDICINAL HERBS—28 bls, Santa Luisa, Callao
39 bls, S B Penick & Co, Horda, Buenos Aires

MENTHOL—300 cs, Metallo Chemical Co, Brazil, Rio de Janeiro
50 cs, Biddle & Sawyer Co, Brazil, Rio de Janeiro
50 cs, Geismar & Co, Beacon Grande, Santos
50 cs, Charles L Huisking Co, Horda, Santos
100 cs, Vick Chemical Co, Mormachawk, Santos
22 cs, Volkart Bros, Mormachawk, Santos

MICA—111 cs, Asheville Schoonmaker Mica Co, Jalaketu, Calcutta
360 cs, Habers Export Co, Jalaketu, Calcutta
2 cs, Brown Bros-Harriman Co, American Scientist, London
48 cs, First National Bank of Boston, American Scientist, London
27 cs, Brown Bros-Harriman Co, American Scientist, London
1,621 cs, Asheville Schoonmaker Mica Co, Exhibitor, Calcutta
224 cs, Eugene Munsell Co, Exhibitor, Calcutta
50 cs, Ford Radio & Mica Co, Exhibitor, Calcutta
1 cs, Perfection Mica Co, Exhibitor, Calcutta
492 cs, Habers Export Co, Exhibitor, Calcutta
268 cs, Cornelius & Suhr Co, Exhibitor, Calcutta
126 cs, Ameritex Industrial Export Corp, Exhibitor, Calcutta
3 cs, American Mica Works, Exhibitor, Calcutta
267 cs, Otto Gerdau Co, Exhibitor, Calcutta
420 bgs, United States Mica Co, Exhibitor, Calcutta
192 cs, Cornelius & Suhr Co, Exhibitor, Madras
188 cs, United Mineral & Chemical Co, Exhibitor, Madras
421 cs, Cornelius & Suhr Co, Excelsior, Calcutta
1,586 cs, Asheville Schoonmaker Mica Co, Excelsior, Calcutta
10 cs, Ford Radio Mica Works, Excelsior, Calcutta
1 cs, Perfection Mica Works, Excelsior, Calcutta
125 cs, United Mineral & Chemical Co, Brazil, Rio de Janeiro
22 cs, Eugene Munsell Co, Brazil, Rio de Janeiro
90 cs, Sylvania Electrical Products Corp, Brazil, Rio de Janeiro
59 cs, Cosmopolitan Tranding Co, Brazil, Rio de Janeiro

MYROBALANS—1,807 bgs, Barkey Import Co, Exhibitor, Bombay
278 bgs, River Plate Import & Export Co, Excelsior, Bombay
325 bgs, Barkey Import Co, Excelsior, Bombay

MYRRH GUM—14 bgs, R J Prentiss & Co, Exhibitor, Aden
20 bgs, Max Van Pels, Exhibitor, Aden

NAPHTHALENE—1,604 bgs, Chematex, Inc, Flying Enterprise, Rotterdam

NAPHTHENIC ACID—50,400 gls Stanco, Inc, Esso Aruba, Aruba

OCOTEA CYMBARUM OIL—47 dms, Lo Curto & Funk Co, Mormachawk, Stajai

OLIVE OIL—25 dms, Schroder Banking Co, Exbrook, Casablanca
25 dms, B Filipone Co, Exbrook, Casablanca
25 dms, Irving Trust Co, Exceller, Barcelona

ORANGE PEELS—20 bbls, Exbrook, Messina
110 bgs, Doros, Jacmel

OURICURY WAX—56 bgs, Innis, Speiden & Co, Loide Bolivia, Salvador
118 bgs, Wessel, Duval & Co, Mormachawk, Bahia
56 bgs, Strahl & Pitsch Co, Mormachawk, Bahia

PALMAROSA OIL—2 dms, George Lueders & Co, Exhibitor, Bombay

PAPRIKA—700 bgs, Topusko, Rijeka
100 bgs, Becker-Mayer Seed Co, Santa Luisa, Valparaiso

PEPPER, BLACK—320 bgs, Reuben Import & Export Co, Steel Admiral, Bangkok
140 bgs, Jalaketu, Genoa
240 bgs, American Scientist, London
160 bgs, Mincing Trading Co, Exhibitor, Bombay
720 bgs, Volkart Bros, Exhibitor, Alleppey
880 bgs, Mincing Trading Co, Exhibitor, Alleppey
480 bgs, Arthur G Dunn Co, Exhibitor, Alleppey
240 bgs, Wolmet Raw Products Corp, Exhibitor, Alleppey
320 bgs, M Golodetz Co, Exhibitor, Alleppey
640 bgs, Joensson & Cross, Exhibitor, Alleppey
399 bgs, Charles T Wilson Co, Exhibitor, Alleppey
160 bgs, Bansihar Gopaldas, Exhibitor, Alleppey
160 bgs, C Czarnikow Co, Exhibitor, Alleppey
80 bgs, East India Trading Co, Exhibitor, Alleppey
480 bgs, Mincing Trading Co, Exhibitor, Alleppey
240 bgs, Bansidhar Gopaldas, Exhibitor, Cochin
160 bgs, Mincing Trading Co, Exhibitor, Cochin
160 bgs, Arthur G Dunn Co, Exhibitor, Cochin
160 bgs, D Hecht Co, Exhibitor, Cochin
80 bgs, East India Trading Co, Exhibitor, Cochin
40 bgs, East India Trading Co, Exhibitor, Manglore
160 bgs, Internatio Rotterdam Co, Exhibitor, Manglore
113 bgs, Bansidhar Gopaldas Co, Hoegh Silverwave, Bombay
160 bgs, Noordam, Rotterdam
160 bgs, J Berlage Co, Nordam, Rotterdam

WHITE—70 bgs, Reuben Import & Export Co, Steel Admiral, Bangkok
70 bgs, Noordam, Rotterdam

PETITGRAIN OIL—13 cs, Fritzsche Bros, Inc, Horda, Buenos Aires
3 dms, Fritzsche Bros, Inc, Horda, Buenos Aires
8 cs, Schimmel & Co, Horda, Buenos Aires
2 dms, Schimmel & Co, Horda, Buenos Aires

PETROLEUM, CRUDE—123,144 bbls, California Ref Co, Kettle Creek, Puerto la Cruz
121,496 bbls, Esso Standard Oil Co, Opequon, Ras Tanura
118,793 bbls, Imperial Oil Co, Ltd, Quemado Lake, Puerto la Cruz
16,196 tons, Standard Oil Co of N J, Caribbean, Fahaheel
126,019 bbls, Esso Standard Oil Co, Esso Scranton, Puerto la Cruz
15,402 tons, Esso Standard Oil Co, Esso Manhattan, Mena el Ahmadi
121,349 bbls, Imperial Oil Co, Ltd, Bradford Island, Puerto la Cruz
113,639 bbls, Esso Standard Oil Co, A W Peake, Cartagena
125,193 bbls, Socony Vacuum Oil Co, Samoset, Puerto la Cruz
17,013 tons, Esso Standard Oil Co, Esso Buffalo, Fahaheel

POMEGRANATE ROOT—6 bgs, S B Penick & Co, Exceller, Algiers

POPPYSEED—100 bgs, Catz American Co, Noordam, Rotterdam

QUEBRACHO EXTRACT—1,000 bgs, International Products Corp, Fylgia, Buenos Aires
2,015 bgs, Bunge Corp, Brazil, Buenos Aires
2,400 bgs, International Products Corp, Horda, Buenos Aires

QUICKSILVER—200 flasks, Chase National Bank, Agwistar, Tampico

SAGE LEAVES—92 bls, Superintendence Co, Topusko, Rijeka

OIL—1 bbl, S B Penick & Co, Topusko, Rijeka
1 cs, S B Penick & Co, Topusko, Rijeka

SANDALWOOD—50 bls, George Lueders & Co, Exhibitor, Bombay

SASSAFRAS OIL—7 dms, Geismar & Co, Si Brodin, Itajai

SEEDLAC—134 bgs, The Mac Lac Co, Steel Admiral, Bangkok
134 bgs, Haeuser Shellac Co, Steel Admiral, Bangkok
500 bgs, J S Khorana Co, Steel Admiral, Bangkok
268 bgs, Otto Gerdau Co, Steel Admiral, Bangkok
127 bgs, Dominion Bank, Steel Admiral, Bangkok
127 bgs, J H Schroeder Co, Steel Admiral, Bangkok
183 bgs, Steel Admiral, Bangkok
200 bgs, Bradshaw-Prager Co, Exhibitor, Calcutta
500 bgs, G H Dockstader Co, Excelsior, Calcutta
150 cs, F H Paul & Stein Co, Noordam, Rotterdam
80 bgs, F H Paul & Stein Co, Noordam, Rotterdam

SHARKLIVER OIL—3 dms, International Fisheries Corp, Cristobal, Panama

SHELLAC—275 bgs, Steel Admiral, Bangkok
145 bgs, J H Schroeder Co, Steel Admiral, Bangkok
38 cs, J Berlage Co, Steel Admiral, Bangkok
1,005 bgs, American Scientist, London
200 bgs, Bradshaw-Praeger Co, Exhibitor, Calcutta
500 bgs, The Mac Lac Co, Excelsior, Calcutta
212 bgs, P N Rowe Co, Excelsior, Calcutta
150 bgs, William Diehl & Co, Excelsior, Calcutta
450 bgs, Reuben Import & Export Co, Excelsior, Massawa

SOAP BARK—253 bls, S B Penick & Co, Paula Dan, San Antonio

STICKLAC—5 bgs, The Mac Lac Co, Steel Admiral, Bangkok

STRAMONIUM LEAVES—20 bls, R J Prentiss & Co, Topusko, Rijeka
7 bls, S B Penick & Co, Exceller, Algiers

TALC—14,286 bgs, Charles Mathieu Co, Exbrook, Genoa

THORIUM POWDER—1 bx, American Scientist, London

TUCUM KERNELS—9,998 bgs, General Foods Corp, Pachitea, Parnahyba
1,666 bgs, E F Drew Co, Pachitea, Maranhao
1,000 bgs, General Foods Corp, Pachitea, Maranhao

TUNG OIL—920 tons, Irving Trust Co, Pioneer Wave, Shanghai

URTICAE LEAVES—31 bls, Superintendence Co, Topusko, Rijeka

VEGETABLE OIL—125 dms, Atlantis Powder Co, Seatrain Texas, Havana

VERBENA—2 bdls, S B Penick & Co, Exceller, Algiers

WATTLE BARK—2,817 bls, Hammond & Carpenter Co, City of Bristol, Durban
1,213 bgs, Barkey Import Co, Mormachawk, Puerto Alegre

WOLFRAM ORE—1,147 bgs, Steel Admiral, Bangkok
1,000 bgs, Chase National Bank, Pioneer Cove, Hongkong
400 bgs, National City Bank, Pioneer Cove, Hongkong

WOOL GREASE—90 dms, Lanatex Products Corp, American Traveler, Manchester

WAX—20 bgs, N I Malmstrom Co, American Traveler, Manchester

ZINC OXIDE—400 cs, Brown Bros-Harriman Co, Pioneer Cove, Yokohama

Philadelphia

April 28 to May 2

BONES—3,200 bgs, Kind & Knox Gelatine Co, Steel King, Calcutta

MEAL—2,193 bgs, Brewster Trading Co, Paul Revere, Buenos Aires

CLAY—50 tons, Moore & Munger Co, Boston City, Avonmouth
225 tons, United Clay Mines Corp, Boston City, Avonmouth
376 tons, Paper Makers Importing Co, Boston City, Avonmouth

GYPSUM, CRUDE—6,262 tons, U S Gypsum Co, Gypsum King, Hantsport

IRISH MOSS—700 bls, Premier Peat Moss Co, American Manufacturer, Dublin

MANGANESE ORE—2,000 tons, Frank Samuel Co, Steel King, Vizazapatam

OSSEIN—390 bgs, Ida Bakke, Antwerp

PETROLEUM, CRUDE—195,085 bbls, Gulf Oil Corp, Ulysses, Men El Ahmadi
119,200 bbls, Gulf Oil Corp, Gulfglow, Puerto La Cruz
121,136 bbls, Gulf Oil Corp, Gulfpeak, Puerto La Cruz
121,127 bbls, Atlantic Ref Co, Atlantic Shipper, Pamatacual
115,625 bbls, Gulf Oil Co, Gulfshore, Men El Ahmadi
126,097 bbls, Socony Vacuum Oil Co, Olympic Games, Men El Ahmadi
116,555 bbls, Atlantic Ref Co, Torrance Hills, Ras Tanura
123,035 bbls, Gulf Oil Corp, Gulfdawn, Puerto La Cruz
122,516 bbls, Gulf Oil Corp, Gulfbird, Puerto La Cruz

QUEBRACHO EXTRACT—1,081 bgs, C M Rhoades Co, Scania, Buenos Aires
1,023 bgs, American Cyanamid Co, Paul Revere, Buenos Aires

STRONTIA—849 tons, E I du Pont de Nemours & Co, Boston City, Avonmouth

TAPIOCA FLOUR—6,000 bgs, Perkins Glue Co, Scania, Imbituba

VANILLA BEANS—19 ctns, D Michael Co, Monroe, Mayaguez

WHITING—2,000 bgs, Nicholas H Weitzner Co, American Counselor, Antwerp

San Francisco

April 25 to May 2

BONEMEAL—4,360 bgs, Consolidated Chemical Co, Grenanger, Buenos Aires

CAMPHOR, REFD—10 cs, Brasiam Trading Co, President Madison, Kobe

COPAL GUM—272 bskts, Internatio Rotterdam Co, Casteville, Sourabaya

COPRA—6,000 bgs, Balfour, Guthrie Co, President Madison, Cebu
1,500 tons, Cargill & Co, President Madison, Cebu
6,720 bgs, Wilbur Ellis Co, President Taft, Manila
5,000 bgs, Atkins Kroll Co, President Taft, Manila
593 bgs, Atkins Kroll Co, President Taft, Cebu
2,965 bgs, Atkins Kroll Co, Oregon Mail, Manila
600 tons, El Dorado Oil Works, Oregon Mail, Jolo

DYESTUFFS—2 dms, Imperial Chemical Co, Grenanger, Rio de Janeiro

HELIOTROPINE—6 cs, Rudolph Dexco Co, President Taft, Yokohama

LIVER MEAL—375 bgs, Grenanger, Buenos Aires

403 bgs, Taylor Woolcott Co, Waitemata, Auckland

NUTMEGS—55 bgs, Catz American Co, Casteville, Sourabaya

PYROTECHNICS—365 cs, F P Dow Co, Julia Luckenbach, Hongkong
655 cs, Bond Bros & Co, Julia Luckenbach, Hongkong
140 cs, F P Dow Co, President Taft, Yokohama
904 cs, Balfour, Guthrie & Co, President Tyler, Hongkong
45 cs, Royal Cathay Trading Co, President Tyler, Hongkong
309 cs, Ti Hang Lung Co, President Cleveland, Hongkong
800 cs, F P Dow Co, President Cleveland, Hongkong
195 cs, F P Dow Co, President Cleveland, Hongkong
1 cs, Pan American Fireworks, President Cleveland, Hongkong

SHARK LIVERS—500 tins, Nopco Chemical Co, President Cleveland, Yokohama
450 tins, Nopco Chemical Co, President Taft, Yokohama

TANKAGE—1,568 bgs, Wilbur Ellis Co, Waitemata, Auckland

TUNG OIL—500 tons, Vongher Low China Co, President Madison, Shanghai

VANILLA BEANS—28 cs, William Diamond & Co, Waitemata, Papeete
10 cs, American & Far East Trading Co, Waitemata, Papeete
130 cs, August Fagu & Co, Waitemata, Papeete
38 cs, Atkins Kroll Co, Waitemata, Papeete

WHITING—400 bgs, Bio, Bio, Antwerp

South Africa Curbs Imports

An extension of import controls and exchange restrictions, aimed at safeguarding the reserves of hard currency and sterling in South Africa, has been announced for a number of non-essential items by the Minister of Finance. Imports of the items are prohibited from all countries effective March 4, unless ordered before that date and dispatched from factory or warehouse to point of shipment on or before March 11.

The list includes:—Casein; ethyl acetate; butyl acetate; animal or vegetable gelatin; lard and edible meat fats; solidified alcohol for burning purposes; shelled, ground or prepared peanuts; candles; color washes and distempers in paste or powder form; thinners; polishes, including blacking and shoe polish; varnish lacquers; perfumery and toilet preparations, and tooth pastes and powders.

Leimgruber Leaves Hoffmann-La Roche

John Leimgruber, supervisor of the drug room of Hoffmann-La Roche, Inc., pharmaceutical manufacturer, Nutley, N. J., has retired from active service with the company. Mr. Leimgruber had been associated with the organization since 1911, and was in charge of the handling of narcotic drugs.

Celanese Has New Solvent

The chemical division of Celanese Corporation of America has announced the production of a solvent called "Lindol H. F.," as an aid in the starting of boat motors. The material is said to dissolve the resinous deposits (or lacquering) which form on pistons, rings, valves and bearings during the winter storage period.

ECA Lists Foreign

—Continued from page 7

lated items, and Association for French Coal Purchasing, 1520 New Hampshire avenue, Washington, purchases coal and coaltar pitch.

Dutch Nitrate Agency Listed

The Central Nitrate Selling Office, Inc., Alexanderstraat 19, The Hague, The Netherlands, which is normally a selling agency, acts as representative for Dutch nitrate manufacturers who negotiate with private exporters for the purchase of ammonium nitrate.

British Buyers Reported

Among the agencies listed for the United Kingdom were:—Molasses and Industrial Alcohol Directorate, Board of Trade, Sunninghill, Downs Road, Epsom, Surrey, purchases molasses, acetic acid and acetic anhydride; Sundry Materials Branch, Board of Trade, 8-10 Old Jewry, London, E. C. 2, buys rosin, pine oil and turpentine; Sulphuric Acid Control, Board of Trade, 166 Piccadilly, London, W. 1, purchases sulphur, and Nonferrous Metals Directorate, Ministry of Supply, purchases copper, lead, zinc and aluminum.

Duncan Heads N.Y. Credit Men

L. D. Duncan, general credit manager of National Distillers Products Corporation, was elected president of the New York Credit Men's Association at its recent annual meeting. Among the new and continuing members of the association's board of directors are:—John J. Burke, Celanese Corporation of America; Robert P. Dean, Esso Standard Oil Company; Earl N. Felio, Colgate-Palmolive-Peet Company; J. Stanley Gross, Alexander S. Gross & Brother, Inc.; Victor Isaacs, Central Paint & Varnish Works, Inc., and J. C. Lynch, Pacific Coast Borax Company.

MUNN'S GENUINE COD-LIVER OIL MADE IN NEWFOUNDLAND

MUNN'S

NEWFOUNDLAND MEDICINAL NON-FREEZING COD LIVER OIL

Largest Manufacturers of Cod Liver Oil in Newfoundland for Over Fifty Years

Wire for lowest prices

W. A. MUNN & COMPANY, LTD.
ST. JOHNS - NEWFOUNDLAND

LABORATORY SERVICES

Vitamin Assays
Mineral Determination
Commercial Feed and Fertilizer Analyses
Insecticide Testing
A.O.A.C. Dr
Chick Assays

WISCONSIN ALUMNI RESEARCH FOUNDATION
P. O. Box 2059
Madison 1, Wisconsin

PROCAINE HYDROCHLORIDE U.S.P. XIII
PROCAINE BASE

RICHMOND CHEMICAL CORP.
Manufacturing Chemists
1483 Richmond Terrace Staten Island 10, N. Y.
Gibraltar 2-4291

Private Formulas

Your own product can be compounded in our laboratories under our scientific supervision, leaving your time free for sales, promotional and other activities. If your product is in the medicinal field, we are in a position to make it. Quotations cheerfully furnished. Inquiries welcomed and kept strictly confidential.

Schieffelin Quality Integrity Service

Schieffelin & Co.
PHARMACEUTICAL AND RESEARCH LABORATORIES
16 COOPER SQUARE • NEW YORK 3, N. Y.

HUISKING SINCE 1910

Pharmaceutical **CHEMICALS** Industrial

DRUGS • • • • OILS • • • VITAMINS • • • • ETC.

• *Import and Export Merchants* •
BUYING AGENTS FOR LEADING FOREIGN HOUSES
SELLING AGENTS FOR AMERICAN MANUFACTURERS

MANUFACTURERS' DISTRIBUTORS of

CAMPHOR USP, DUPONT
Powder & Tablets
MENTHOL CRYSTALS USP
Brazilian, Chinese & Japanese
HYOSCINE HYDROBROMIDE USP
F. G. & D.
SULFUR PRECIPITATED USP
Sylvania
NAPHTHALENE REFINED
Balls, Flakes & Chipped
INSECTICIDES
COAL TAR DISINFECTANTS
OIL CAMPHOR WHITE
HAARLEM OIL
BEESWAX U.S.P.
Yellow and Bleached
BISMUTH SALTS
COPPER SULFATE
Crystals & Powder
MAGNESIUM CARBONATE USP
Blocks, Imported
SUGAR OF MILK USP Powder
PAPAIN
SPERMACETI USP
SAFFRON
Spanish
IODIDES

CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y.
Chicago Office 561 E. ILLINOIS ST.
Cable Address HUISKING, NEW YORK
LONDON AGENTS: Wheeler & Huisking, Ltd., 26 Great Tower St., London, E.C. 3, England

SINCE 1872

PEDER DEVOLD
Finest Norwegian

COD LIVER OIL USP

OILS OF ALL POTENCIES • STANDARDIZED • VITAMIN-TESTED
"The Choice of Careful Bottlers Everywhere"
FROM CAN TO CARLOAD QUANTITIES

PEDER DEVOLD PURE NORWEGIAN COD LIVER OIL USP 1 Gal. Cans

Handy—Attractively Lithographed

They contain only the Finest, Freshest, most palatable oil Norway can produce. Vitamin-tested here. A favorite with the Drug Trade here and abroad. Packed 10 to sturdy shipping case.

VITAMINE BRAND OILS (Fortified Poultry C.L.O.)
DEVOLD VITAMIN A & D FEEDING OILS
DEVOLD DRY D3 (For Poultry Feeds)
VITAMIN D2 In Oil
VITAMIN A & D CONCENTRATES
PURE WHEAT GERM OIL

IMPORT P.D. EXPORT

PEDER DEVOLD OIL COMPANY
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 Varick St., New York 13, N. Y. Cable Address: VITAMINE, New York

SANTONIN N.F. VIII
Meeting Requirements of International Pharmacopoeias
ALKALOIDS of AMERICAN MANUFACTURE

SANTONINE COMPANY OF AMERICA
DIVISION OF CHAS. L. HUISKING & CO., INC.
155 VARICK STREET, NEW YORK 13, N. Y. Cable Address SANTONICUS, N. Y.

SULFA DRUGS are better with

Sheffield
SODIUM LACTATE

A water-white 50% edible solution, Sheffield Sodium Lactate can be formulated with Sulfa drugs to discourage renal complications and precipitation of Sulfonamides in the kidney. Also its use in the treatment of acidosis, shock and burns makes Sheffield Sodium Lactate of interest to alert pharmaceutical manufacturers.

For technical use, you may obtain Sheffield Sodium Lactate in a pale brown, 50% non-edible solution.

If you make medicines or baby foods, Sheffield can help you. A century-old name in milk and the latest word in milk chemicals, Sheffield offers you—

- **World's largest selection of milk chemicals**
- **Highest quality and uniformity**
- **Research facilities of the National Dairy Products Corporation**
- **Sure supply, year round**
- **Prompt delivery, world-wide shipment**

We will be glad to send you free samples, technical information and prices. Write to Chemurgic Division, Sheffield Farms Company, Inc., Norwich, New York, or 524 West 57th Street, New York 19, N. Y., phone COlumbus 5-8400.

SHEFFIELD
MILK CHEMICALS

"EDAMIN" ★ **—New, improved flavor oral protein hydrolysate. Predigested lactalbumin in creamy-white powder form – featuring the long-sought, less bitter, more pleasant taste.**

EDIBLE LACTOSE (Milk Sugar, obtainable only from milk) – Cheaper than, yet identical with, Lactose USP except that it is just short of meeting USP standards. Saves you money in any formula not requiring USP labeling. Is non-hygroscopic.

CALCIUM LACTATE USP – Only Sheffield makes this excellent nutritional source of calcium. Convenient white powder form. Cheaper, more soluble, higher calcium content than calcium gluconate.

"N-Z-Amine"★—Enzymatic digest of casein for oral use.
Bulk Casein Peptone
"N-Z-Case"★—Laboratory casein peptone
"N-Z-Tone"★—Laboratory lactalbumin peptone
"Hy-Case"★—Acid digest of casein
Caseins for various uses
"De-Vitaminized" Casein
Lactose USP
Lactose Impalpable USP
★Trade-mark of Sheffield Farms

SHEFFIELD FARMS COMPANY, INC.
Division of National Dairy Products Corporation

CHEMURGIC DIVISION

Koppers to Purchase Freyn Engineering Co.

Koppers Company, Pittsburgh, has contracted to purchase the Freyn Engineering Company, Chicago, which specializes in the design and construction of blast furnaces and open hearth furnaces. The Open Hearth Combustion Company, a subsidiary of Freyn Engineering, will also be included in the deal. The purchase is to be consummated through the exchange of Koppers common stock for the stock of Freyn Engineering. The latter organization will continue under its own name and will be operated as a wholly owned subsidiary of Koppers.

Philip Carey Co. Elects Humphrey New President

The Philip Carey Manufacturing Company, asphalt paint maker, Cincinnati, has elected John W. Humphrey and L. W. Clarke vice-president in charge of sales. Mr. Humphrey, who was formerly executive vice-president, succeeds Robert S. King, who has been named chairman of the board. Mr. Clarke was formerly general sales manager, and was elected to fill the vacancy left by the resignation of E. W. Smith.

Streptomycin Royalties Aid Research at Rutgers Univ.

Dr. Selman A. Waksman, discoverer and patentor of streptomycin, has assigned his patent on the drug, and all royalties therefrom, to Rutgers University, with the understanding that the proceeds will be used for research, particularly in microbiology. The university plans to establish an Institute of Microbiology and to name Dr. Waksman its first director.

FDA Act Amendment

—Continued from page 3

board of health before it can be marketed. Many times these health boards require that a product be labeled in a manner that would be absolutely prohibited in this country.

Mr. Flanagan expressed sympathy for the objectives of the bill, but pointed out that not all countries follow the United States Pharmacopeia standards for drug products. Widespread use is made in other countries of the British Pharmacopeia and the French Codex, whose standards differ in many respects from the USP. Those standards, of course, must be complied with in the labeling of the products by the American exporters.

Mr. Burgher supported the substitute offered at the previous hearings by Mr. Dunn that section 801 of the FDA act be amended by adding a proviso that "no food, drug, cosmetic, or device shall be exported which is unfit for human consumption or falsely labeled in fact in the specific circumstances present."

Mr. Burgher said that he understood the phrase "falsely labeled in fact" to mean identity, quality, purity, and strength and distinctly not to other label statements or requirements. These latter factors, he said, are controlled by the decisions of the foreign boards of health officials who must approve the labeling of each article imported into their country.

At the conclusion of the hearing, the committee suggested that the Food and Drug Administration get together with the drug industry representatives on the proper wording of the bill.

Dawe's means Dependable

PRODUCERS OF
FISH LIVER OILS
VITAMIN A
CONCENTRATES
VITAMIN D_2

Dawe's Vitamins, Inc.
4800 S. RICHMOND STREET
CHICAGO 32, ILL.

Progesterone U.S.P.
Testosterone
Testosterone Propionate U.S.P.
Methyl Testosterone U.S.P.
Desoxycorticosterone Acetate U.S.P.
Estrogenic Substance
Chorionic Gonadotropin

Prices and Samples on Request

VITAMERICAN OIL CORPORATION
1 John Street Haledon, N. J.

MYANESIN
MENADIONE U.S.P.
HEXYLRESORCINOL U.S.P.
PARA AMINOSALICYLIC ACID

HEXAGON LABORATORIES, Inc.
Manufacturing Chemists
3536 PEARTREE AVE. FA 4-7550 BRONX 66, N. Y.

FAMOUS G BRAND SINCE 1894

MANUFACTURERS OF
Licorice
PRODUCTS
For the trade

MADE FROM
FINEST IMPORTED ROOTS

Let the FLAVOR prove it

2701-2733 BOSTON ST. BALTIMORE 24, MD.
The J. S. YOUNG COMPANY
50 EAST 13th ST. PATERSON, N. J.

Obituaries

Frank J. Wesley

Frank J. Wesley, president and founder of the Wesley Lacquer Company, Brooklyn, died in a St. Petersburg, Fla., hospital on May 5. He was 55 years of age. A member of the New York Paint, Varnish and Lacquer Association, Mr. Wesley formed his company in 1932. Previously, he was employed by the Barrett Division, Allied Chemical & Dye Corp., New York.

George A. Bawden, a compounder at the Bayonne, N. J., refinery of the Tide Water Oil Company, died May 4 in Muhlenberg hospital, Plainfield, N. J. He was sixty-six years old.

J. Harry Evans, divisional distributor for Luzier's, Inc., cosmetics, Kansas City, Mo., died recently at Long Island College hospital, Brooklyn, of a heart attack he had suffered while driving his car. He was sixty-seven years old.

Mrs. Mary Jett, an employee of Johnson & Johnson, New Brunswick, N. J., died May 4 in her home in Union, N. J.

Conrad W. Machemer, an industrial sales representative for Pratt & Lambert, Inc. from 1917 until illness forced him to retire four years ago, died recently in his Buffalo home. He was sixty-two years old. He was employed by Schuele & Co. as a paint salesman from 1915 until he joined Pratt & Lambert.

Ward O. Steinheimer, eastern divisional sales manager of the DeVilbiss Company, manufacturers of spraying equipment, Toledo, Ohio, died recently at Lawrence hosptal, Bronxville, N. Y.

Gilchrist Gets NBS Post

Dr. Raleigh Gilchrist has been appointed chief of the platinum metals and pure substances laboratory of the National Bureau of Standards. In this capacity Dr. Gilchrist will supervise the preparation of pure substances and the testing of reagent chemicals, in addition to his research in the platinum metals.

Purepac Making 'Alcorub'

The Purepac Corporation, manufacturing chemist, New York, has acquired the trademark, formula, manufacturing and distribution of "Alcorub" rubbing alcohol from U. S. Industrial Chemicals, Inc. The Purepac organization is planning a national promotional campaign, featuring improved packaging, for the product.

Bell Company Moves Offices

The S. H. Bell Company, Pittsburgh representative of the Tennessee Products & Chemical Corporation and the Inland Steel Container Company, has moved its offices to the Oliver building, 535 Smithfield street. Telephone number at the new location is Grant 4567.

Trade Briefs

Hoffmann-La Roche, Inc., pharmaceutical manufacturer, Nutley, N. J., has expanded and improved its hospital and medical care plan for employees.

William B. Williamson, manager of the Wellington, New Zealand, branch of Bristol-Myers, Inc., drug manufacturer, is on an inspection trip of the organization Tenn., studying the technics of using radioisotopes in research. He plans to use radioisotopes in organic and medical chemical research at Schering.

R. GESELL
INCORPORATED
Manufacturing Chemists
★
Specializing in Private Formula Work
★
200 WEST HOUSTON STREET
NEW YORK 14, N. Y.

ALUMINUM ISOPROPYLATE
Stock Deliveries and Contract
Immediate Shipment
ORTHO CHEMICAL CORP.
44-26 Purvis Street
Long Island City 1, N.Y.
STillwell 4-8473

Barnett's
CAROTENE
POTENCIES UP TO 1,350,000 UNITS PER GRAM
Now used in the enrichment of flour, bread, milk, butter, cakes, soup, salad dressing, margarine, pastries and as a source of vitamin A in many pharmaceutical products.
BARNETT LABORATORIES, 6258 CHERRY AVENUE LONG BEACH 5, CALIF.

PENTOBARBITAL SODIUM, U. S. P.
•
DIPHENYLHYDANTOIN SODIUM
BLACKMAN BRANDS, Inc.
443 BROADWAY NEW YORK 13, N. Y.
CAnal 6-7461

METALSALTS CORPORATION
MERCURY and MERCURY COMPOUNDS
PHENYL MERCURIC ACETATE
DARSYN LABORATORIES INC.
FINE ORGANIC CHEMICALS
• Antipyrine NF VIII
• 8-Hydroxyquinoline Base
• 5-Chloro-7-Iodo-8-Hydroxyquinoline
• Chiniofon
• Yatren Acid
OTHER DERIVATIVES
METALSALTS CORP.
Manufacturing Chemists
200 WAGARAW ROAD, HAWTHORNE, N. J.
HAwthorne 7-2600 • N. Y. Phone PEnnsylvania 6-2626

FOR QUALITY AND SERVICE
CHLOROPHYLL OIL SOLUBLE
ETHYL CHLORIDE
In Automatic Spray Tubes
FIXANAL PREPARATIONS
For Normal Solutions
LANOLIN ANHYDROUS U.S.P.
P&B
SINCE 1900
Pfaltz & Bauer, Inc.
EMPIRE STATE BUILDING N Y

World-Famous Containers
Long Ago
In Scheherazade's tale of Ali Baba, giant olive-oil jars delivered the 40 thieves safe and sound — providing perfect protection.

Today - Your Products Are
Delivered Safe and Sound
when you ship them to your customers in
INLAND STEEL CONTAINERS

Inland Steel Containers — Sturdy, leakproof; in capacities from 3 to 55 gallons, with outstanding structural and design features for added strength. Available with your own trademark lithographed in full color.

The products you make so carefully deserve the finest protection in shipment: Inland Steel Containers.

Everything from the thinnest liquids to semi-solids is absolutely safe in transit. Strength, color, quality, and purity are unimpaired. Your customers receive full measure and *full quality*.

The complete Inland line offers you just the steel shipping container you need. Tested linings safeguard products that require special protection.

Select your drum or pail from our standard line, or submit special problems to our laboratory experts.

DP-5

INLAND STEEL CONTAINER CO.
6532 South Menard Avenue, Chicago 38, Illinois
Plants at: CHICAGO • JERSEY CITY • NEW ORLEANS
Container Specialists
Visit the Inland Steel Container Exhibit Booth 614
National Packaging Exposition
Atlantic City Auditorium, May 10-13, 1949
It's better to ship in steel!

Chemical Workers Weekly Earnings Decreased in Feb.

Weekly earnings of factory workers in chemical and related fields showed a decrease in February, as compared with January. A breakdown of the weekly earnings for the chemical and allied industries follows:—

	Weekly		
	Feb. 1949	Jan. 1949	Dec. 1948
Chemical and allied products	$57.81	$57.93	$58.09
Ammunition	53.35	52.16	53.53
Chemicals	64.95	65.11	64.72
Cottonseed oil	40.74	42.07	44.56
Drugs, medicines, insecticides	52.87	52.82	51.76
Explosives, safety fuses	60.39	57.77	60.58
Fertilizers	38.12	38.25	38.69
Paints and varnishes	58.19	57.36	58.18
Petroleum and refining	74.34	77.20	75.03
Rayon, allied products	55.21	55.44	55.79
Soap	64.16	62.63	66.72

AIC Elects Four Councilors

The American Institute of Chemists elected four new councilors at its annual meeting held in Chicago last Friday. Dr. Roy H. Kienle, director of application research for the Calco Chemical Division of the American Cyanamid Company, Bound Brook, N. J., was elected for a one-year term.

Elected for three-year terms were:—Dr. Donald Price, technical director of Oakite Products, Inc., New York; Charles P. Neidig, chemical products division of the Atlantic Refining Company, Philadelphia, and Charles C. Concannon, chief of the chemical division of the bureau of foreign and domestic commerce of the Department of Commerce.

Gustin-Bacon Names Two

The Gustin-Bacon Manufacturing Company, Kansas City, Mo., has appointed Dr. George W. Ward director of research, product development and laboratory, effective June 1, and has added Dr. Carl M. Marberg to its research staff. Dr. Marberg was formerly coordinator of research planning of the Standard Oil Company of Indiana.

Peru Sets Soap Standards

A set of standards for toilet and laundry soap of domestic manufacture has been established by a supreme resolution of the Peruvian government. The articles, which became effective early in April, prescribe the quality and quantity of the fillers to be used in soap manufacture, as well as the various sizes for the finished soap cakes and bars.

CHECK
THIS LIST . . .
to find the products vital to your industry. They are available, in commercial quantity:
- FORD CHARCOAL BRIQUETS
- GRANULATED CHARCOAL
- ETHYL ACETATE 85 TO 88%
- ETHYL ACETATE 99%
- ETHYL PROPIONATE
- METHYL ACETONE
- C. P. METHANOL
- DENATURING GRADE METHANOL
- METHANOL ANTI-FREEZE

Ford
Write, wire or phone
FOR PRICE AND DELIVERY
FORD MOTOR COMPANY
Sales Department
Iron Mountain, Michigan

NATIONAL
BRAND
MILK SUGAR
QUALITY STANDARD THE WORLD OVER SINCE 1883
ALPHA LACTOSE
BETA LACTOSE
NATIONAL MILK SUGAR COMPANY
Division of The Borden Company
350 MADISON AVENUE NEW YORK 17, N. Y.

MANUFACTURERS SINCE 1902
FERROUS SULPHATE
(U. S. P. and Technical Grades)
SELDNER & ENEQUIST, INC.
86-112 Hausman Street Brooklyn 22, N. Y.
No connection with any company of similar name

MERPHENYL
ESPECIALLY PURIFIED
PHENYLMERCURIC COMPOUNDS
For Pharmaceutical
And Cosmetic Use
THE HAMILTON LABORATORIES, INC.
ASHEVILLE N C

Industrial Research Inst. Presents '49 Medal to Bush

The Industrial Research Institute presented its 1949 medal to Dr. Vannevar Bush at ceremonies in Washington on May 2. The citation accompanying the medal said "Dr. Vannevar Bush for his leadership in the Office of Scientific Research and Development, in marshalling industrial and academic research and coordinating it with the military effort in the common defense, developing an instrument of government so effective as to provide a pattern for continued service."

Richards Gets OIT Post

The Office of International Trade has announced the appointment of Charles A. Richards as special consultant to the director. On a full-time basis, he will survey and make recommendations to improve OIT's current foreign trade promotion activities and its services to importers and exporters. Mr. Richards is president of the Philippine - American Chamber of Commerce, served as governor of the Export Managers' Club, is a charter member of the Pan-American Society, and a trustee of the United States Inter - American Council of Commerce and Production. Private firms with which he has been connected in export activities included the Interchemical Corporation.

ACS Sections Elect

Dr. Walter M. Urbain, head of the division of physics and physical chemistry at the Swift & Co. research laboratories, has been elected chairman of the Chicago section of the American Chemical Society for 1949-50. Dr. Urbain will take office on July 1, succeeding Dr. Charles L. Thomas, director of research of the Great Lakes Carbon Corporation.

Prof. Byron Riegel, Northwestern University, was named chairman-elect, and Dr. Robert F. Marschner, Standard Oil Company of Indiana, was chosen as vice-chairman. Dr. F. Leo Kauffman, Swift & Co., and Dr. Carl S. Miner, jr., Miner Laboratories, were re-elected secretary and treasurer, respectively.

Dr. R. D. Sprenger, of the College of Puget Sound, Tacoma, Wash., has been elected chairman of the Puget Sound section of the American Chemical Society. He succeeds Dr. Joseph L. McCarthy, of the University of Washington.

Other officers chosen by the section, which has its headquarters in Seattle, are: —William R. Moffitt, Borden Company, Seattle, vice-chairman; Dr. A. E. Markham, University of Washington, treasurer, and Collis C. Bryan, Monsanto Chemical Company, Seattle, secretary.

Dr. R. M. Burns, chemical director of the Bell Telephone Laboratories, was elected chairman of the New York section at the annual meeting in the Statler hotel last Friday. Dr. Burns will take office on July 1, succeeding Dr. Clifford F. Rassweiler, vice-president for research and development of the Johns-Manville Corporation.

John H. Nair, assistant director of research of Continental Foods, Inc., was named chairman-elect of the section, and Prof. Edward J. Durham of New York University and H. Burton Lowe, executive vice-president and treasurer of the Reinhold Publishing Corporation, were reelected secretary and treasurer, respectively.

Patterson Awarded Medal

Dr. Austin M. Patterson, retired vice-president of Antioch College and an authority on chemical terminology, has been chosen to receive a new award in the documentation of chemistry by the Dayton section of the American Chemical Society. The award will be presented to Dr. Patterson at a dinner meeting at the Engineers Club of Dayton on May 14.

Pharmacy Leaflet Revised

The pharmacy guidance leaflet which is issued to persons interested in pharmacy as a career has been revised by the American Pharmaceutical Association and the office of education of the Federal Security Agency. The publication contains the qualifications required for the practice of pharmacy, information as to standards and opportunities in the profession and a list of accedited colleges in the United States.

Coca-Cola Elects Curtis

The Coca-Cola Export Corporation and the Coca-Cola Export Sales Company have elected James Curtis president. Mr. Curtis has been executive vice-president of the Coca-Cola Export Corporation since 1945.

TRONA

Muriate and Sulphate of POTASH • LITHIUM Concentrates • Desiccated SODIUM SULPHATE

BORAX • BORIC ACID • PYROBOR Dehydrated Borax

TRONA

Sodium, Potassium and Ammonium BROMIDES U.S.P. • BROMINE • SALT CAKE • SODA ASH

AMERICAN POTASH & CHEMICAL CORPORATION

122 EAST 42nd STREET • • • NEW YORK 17, N. Y.

231 S. LA SALLE STREET CHICAGO 4, ILLINOIS | 214 WALTON BUILDING ATLANTA 3, GEORGIA | 3030 WEST SIXTH STREET LOS ANGELES 54, CALIF.

MANUFACTURING CHEMISTS

ALBUMIN TANNATE
BENZO NAPHTHOL

LAMEX CHEMICAL CORP

Plant: Birmingham, Alabama
Sole Distributors: OLIVIER COMPANY, INC.
25 Broadway, New York 4, N. Y.
Digby 4-4543 Cable: Austrasia, New York

QUICK FACTS about

Procaine Hydrochloride Lemke

- 99.9% purity
- exceeds U. S. P. specifications
- 50% solution - clear & colorless

Procaine Hydrochloride (Para Aminobenzoyl-Diethylamino-Ethanol Hydrochloride) is used extensively as local anesthetic, and, more recently, in the manufacture of Procaine Penicillin.

Available for Immediate or future delivery

For top performance
Clear and colorless ampoule solutions
Physical and chemical uniformity

Specify
Procaine Hydrochloride Lemke
A dependable product throughout

B. L. LEMKE & CO. INC.
Manufacturing Chemists
248-250 W. BROADWAY, NEW YORK 13, N. Y.

Standardized
pharmaceuticals and specialties
packaged or in bulk

All fluid extracts . . . U.S.P., N.F., or your own special formulas . . . manufactured directly from the crude drugs. Our ultra-modern equipment and unsurpassed know-how assure you of prompt deliveries at exceptionally attractive prices.

Write for latest price list

Lower Prices!
TR. BENZOIN COMPOUND
SYR. SOUR CHERRY, N. F.

- ☐ Mild Tr. Iodine, U.S.P.
- ☐ Stronger Tr. Iodine, N.F.
- ☐ Camphorated Oil, U.S.P.
- ☐ Tr. Green Soap, U.S.P.

all other tinctures and elixirs

Standard Drug Company, Inc.
MANUFACTURERS of PHARMACEUTICALS and SPECIALTIES
285-295 Badger Avenue • Newark 8, New Jersey

VAN GELDER-FANTO CORPORATION
52 Vanderbilt Avenue New York 17, N. Y.
Telephone: LExington 2-4901-4
Cable Addresses: Biologra, New York • Mafanto, New York

FROZEN GLANDS
GLANDULAR POWDERS
INSULIN CRYSTALS
—•—
TALLOW
WOOL GREASE
ANIMAL and VEGETABLE OILS and FATS
FATTY ACIDS

Current Prices

—Continued from page 35

Yellow, iron oxide, French type, bgs., c.l. lb. .04½- —
l.c.l. lb. .04¾- —
Peruvian type, bgs., c.l. lb. .0185- .0210
synth, bgs., c.l. works lb. .09 - —
l.c.l. works lb. .09¼- —
Mercury oxide, bbls., 1,000 lbs lb. 1.93 - —
smaller lots lb. 1.95 - —
Ocher American golden, bgs., works lb. .01¼ .02¾
Zinc, bbls. same basis as chrome lb. .24½- —
Yellow dock root, bls lb. .23 - .25
Yellow xanthorrhiza (see Xanthorrhiza)
Yerba santa leaves, bls lb. .30 - .33
Yohimbine hydrochloride vls oz. 3.25 - 4.00

Z

Zein, bgs., 36,000 lbs., works lb. .30 - —
1,000 lbs. to 36,000 lbs., works lb. .32 - —
smaller lots, works lb. .35 - —
Zinc acetate, tech., bbls., dms lb. .26¼- —
NF, dms. lb. .38 - —
Arsenite, bgs., c.l., frt. alld. E. of Rockies lb. No stocks.
l.c.l., same basis lb. No stocks.
Borate, bgs., c.l., ship't, pt., frt. alld., E lb. .13½- .17
frt. alld. Pac. Coast lb. .16½- .19
l.c.l., ship't, pt., frt. alld. E lb. .14 - .17½
frt. alld. Pac. Coast lb. .18¼- .20¾
Zinc carbonate, tech., rubber makers, bbls., works lb. .10¾- —
precip., powd., dms lb. .26 - —
Purified precip., dms lb. .37 - —
Chloride, tech., fused, dms., c.l., works 100 lbs. 7.00 - —
l.c.l., works 100 lbs. 7.40 - —
gran., bbls., c.l., works. 100 lbs. 7.75 - —
l.c.l., works 100 lbs. 8.65 - —
solution, 50%, dms., c.l., works. 100 lbs. 4.05 - —
l.c.l., works 100 lbs. 4.65 - —
tanks, works 100 lbs. 3.25 - —
NF, gran., dms lb. .42 - —
Chromate (see Yellow, zinc).
Cyanide, kgs., works lb. .41¼- —
Diethyldithiocarbamate, dms., wks. lb. 1.00 - —
Dust, bbls., c.l., works lb. .15¼- .17½
l.c.l., works lb. .16¼- .18¾
Fluoride, bbls., works lb. .40 - —
Hydrosulphite, dms., c.l., frt. alld. lb. .18¾ - —
l.c.l. lb. .19¼- —
Iodide, NF, jars lb. 4.85 - —
Laurate, bbls lb. .45 - .48
Linoleate, solid, 9½%, bbls lb. .31½- —
Metal slabs, E. St. Louis lb. .12½- —
Naphthenate, liquid, 8% Zn., frt. alld lb. .21¼- .21¾
10% Zn, dms., frt. alld lb. .26 - .26¼
Oleate, bbls lb. .42¼- —
Oxide, pigment, dom., acicular, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
American process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
leaded, 5%, bgs., c.l. ship't point, frt. alld lb. .13½- —
l.c.l., works lb. .13¾- —
35%, bgs., c.l., ship't point, frt. alld lb. .14¼- —
l.c.l., works lb. .14½- —
50%, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., works lb. .14⅞- —
French process, com'l, lead-free, bgs., c.l., ship't point, frt. alld lb. .15¾- —
l.c.l., works lb. .16 - —
green seal, bgs., c.l., ship't point, frt. alld lb. .15¼- —
l.c.l., works lb. .15½- —
red seal, bgs., c.l., ship't point, frt. alld lb. .14¾- —
l.c.l., works lb. .15 - —
white seal, bgs., c.l., ship't point, frt. alld. lb. .15¾- —
l.c.l., works lb. .16 —
USP, ctns., c.l., ship't point, frt. alld lb. .16¾- —
l.c.l., same basis lb. .17 - —
Zinc oxide Pac. coast prices ¾c. higher; bbl. prices ¼c. higher than bgs.
Phenolsulphonate, NF, gran., bbls., dms lb. .28 .29
powd., bbls. lb. .31 .32
Resinate, fused, 1% Zn., dms., frt. alld lb. .20 - —
precip., dms., frt. alld lb. .23 - —
Silicofluoride, bbls., works lb. .10 - .10¼
Stearate, tech., USP, ctns., 2,000 lbs. lb. .34 - —
smaller lots lb. .35 - .36
Sulphate, cryst., 22% Zn. bgs., c.l., works, frt. alld 100 lbs. 4.55 - —
l.c.l., same basis 100 lbs. 4.95 - —
flake, 25½%, Zn, bgs., c.l., works. 100 lbs. 5.50 - —
l.c.l., works 100 lbs. 5.70 - —
powd., 36% Zn. bgs., c.l., dlvd., same basis 100 lbs. 7.00 - —
l.c.l., same basis 100 lbs. 7.40 - —
Zinc sulphate in bbls. 40c. higher
USP, gran., dms lb. .22 - .22½
Sulphide, pure, bgs., c.l., frt. alld. lb. .12¼- —
l.c.l., works lb. .12½- —
Barium pigment, bgs., c.l., dlvd. lb. .07¾- —
l.c.l., works lb. .08 - —
Calcium, pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., works lb. .08 - —
Luminescent pigment, frt. alld. lb. 1.00 - 3.00
Magnesium pigment, bgs., c.l., dlvd lb. .07¾- —
l.c.l., dlvd. lb. .08 - —
Zinc sulphide and pigment, Pac. coast prices ¾c. higher; bbl prices ¼c. higher than bgs.
Yellow (see Yellow, zinc)
Zinc-ammonium chloride, bgs., c.l., works 100 lbs. 7.00 - —
l.c.l., bgs., works 100 lbs. 7.40 - —
Zinc-cadmium sulphide, fluorescent, cns., frt. alld lb. 2.00 2.80
Zinc-calcium resinate, dms., c.l., works lb. .1180 .1360
l.c.l., same basis lb. .1220 .14
Zinc-formaldehyde sulphoxalate, basic, dms., works lb. .23 - .23½
normal, dms., works lb. .43 .45
Zircon (see Zirconium silicate)
Zirconium acetate, solution, bbls., works lb. .25½ —
Carbonate, basic, cake, bbls., works lb. .30½ —
Hydride, cns., works lb. 7.00 - —
Nitrate, dms., works lb. 1.75 - —
Oxide, 98½-99%, white, grd., bbls., or bgs., works lb. 1.50 —
lump, electric-fused, bgs., works lb. .44 —
5 tons, works lb. .44½ —
1 ton or less, works lb. .45 .48
milled, electric-fused, bgs., c.l., works lb. .59 - —
5 tons, works lb. .59½ - —
1 ton or less, works lb .60 .63
Oxychloride, cryst., ctns., 5 tons, works lb. .29½- —
Silicate, granular, bgs., c.l., works. lb. .03¼- .03¾
10 tons, works lb. .03½ .04
5 tons, works lb. .04 —
1 ton or less, works bl. .04¼- .04½
milled, bgs., c.l., works lb. .04¾- —
5 tons, works lb. .05¼- —
1 ton or less works lb. .05¾- .06½
refined, bgs., c.l., works lb. .11 - —
5 tons, works lb. .11¼- —
1 ton or less, works lb. .12 .16
Sulphate, cryst., ctns., c.l., works lb 37½ —
5 tons, works lb 38 - —
1 ton or less, works lb 38½ .39

Synthetic Resins

The customary monthly listing of prices for synthetic resins and other branded paint materials was printed in the May 2 issue of OPD.

More and more consumers will respond to the appeal of your products—creams, pastes, powders or liquids—when you package them in WIRZ Collapsible Metal Tubes. These self-dispensing units are designed to afford full protection for their contents, to assure high eye-appeal and to add convenience in use.

Let us help you plan a WIRZ Tube that will embody all these proved merchandising features. They will give you a safety margin in competitive markets.

ESTABLISHED 1838
A. H. WIRZ Inc.

2304 W. Townsend St.
Chester, Pa.
Export Division
768 Drexel Bldg., Phila. 6, Pa.

New York 17, N. Y. 50 E. 42nd St. | Chicago 4, Ill. 80 E. Jackson Blvd. | Memphis 2, Tenn. Wurzburg Bros. | Havana Cuba Roberto Ortiz Pianos | Los Angeles 14, Calif. 1709 W. 8th St. Exposition 0178—

Collapsible Metal Tubes • Lacquer Linings • Wax Linings • Westite Closures • Soft Metal Tubing • Household Can Spouts • Applicator Pipes • Compression Molding

Consulting Chemists and Engineers

ASSOCIATION OF CONSULTING CHEMISTS AND CHEMICAL ENGINEERS, INC.

50 East 41st Street, Room 82 — New York 17, N. Y. LExington 2-1150

A Clearing House — *for Consultants*

Reg U S Pat Off

When in need of a consultant address the Association.
No charge for this service.

The Membership, Located from Coast to Coast, Comprises Specialists in All Fields

R. S. ARIES & ASSOCIATES

Chemical Engineers & Economists

Commercial Chemical Development

Process Analysis ■ Market Research
Technical & Economic Surveys
Evaluations
Application Research
New Product Development
Write for Leaflet A

26 Court St., Brooklyn 2, N. Y. MAin 4-6947

Turn PROBLEMS to PROFITS thru RESEARCH

BJORKSTEN RESEARCH LABORATORIES

323 W. Gorham St. Madison, Wis.
185 N. Wabash Ave. Chicago, Ill.

JOHN B. CALKIN

Consultant to the Pulp and Paper and Chemical Process Industries

Technical and Marketing Consultations
Industrial Research Advisor
Laboratory and Pilot Plant Investigations

500 Fifth Avenue at 42nd Street New York 18, N. Y.

CENTRAL CONSULTING LABORATORIES

Specialists in Foods, Drugs and Cosmetics

Chemical, Bacteriological, Biological
Assays — Investigations — New Product Development — Industrial Applications
Amino Acids, Antibiotics, Hormones, Vitamins
16 CLINTON STREET BROOKLYN 2, N. Y

RESEARCH AND PRODUCT DEVELOPMENT

Oils, coatings, detergents, plastics, Organic and drug analyses. Testing work.

COLBURN LABORATORIES, INC.

Research Chemists

431 South Dearborn St Chicago 5, Ill

SPECTROGRAPHIC ANALYSES

Qualitative and Quantitative Since 1936

Micro and Semimicro analyses of metallics; conventional and metallurgical analyses, metallography, metal failures investigated, heat treating consultants, photomicrographs, Jominy Hardenability, physical tests.

W. B. COLEMAN & CO.

9th St. & Rising Sun Ave. Philadelphia 40, Pa.

DI CYAN & BROWN

Consulting Chemists

12 East 41st Street, New York 17, N. Y.
MUrray Hill 5-0011

CONSULTANTS in DRUGS and COSMETICS

New Drugs, Product and Patent Development in Pharmaceuticals & Cosmetics; Label Preparation for Conformance to F.D.A. requirements, etc

J. EHRLICH, Ph.D.

CONSULTING CHEMIST

153 South Doheny Drive Beverly Hills, California

ORGANIC SYNTHESES

Fellow of the American Institute of Chemists

ESSELEN RESEARCH CORPORATION

CHEMICAL RESEARCH AND DEVELOPMENT

"THE RESEARCH OF TODAY IS THE INDUSTRY OF TOMORROW"

857 Boylston Street, Boston 16, Mass.

EVANS RESEARCH & DEVELOPMENT CORPORATION

Chemical Research—Processes—Products—Pilot Plant—Optical and Mechanical Sections

●

SEND FOR BOOKLET "O"

●

INSPECT OUR UNUSUAL FACILITIES

MU 3-0071

250 East 43rd St. New York 17 N. Y.

EXPERIMENT INCORPORATED

Chemical Consulting Research and Development Model Shop Facilities

Write for Brochure
An Organization to Serve You

P. O. Box 1-TC Richmond 2, Va.

FOOD RESEARCH LABORATORIES, INC.

Founded 1922

Philip B. Hawk, Ph.D., President
Bernard L. Oser, Ph.D., Director

RESEARCH - ANALYSES - CONSULTATION
Biological, Nutritional, Toxicological Studies for the Food, Drug and Allied Industries
48-14 33rd Street, Long Island City, New York
Write for descriptive brochure

H. J. HALLOWELL

323 Main Street, Danbury, Conn.

General analysis. Consultation.

Specialty: Alkaloidal assays. The chemical analyses of rare and common minerals, carbonate, phosphate and silicate rocks.

Chemists — Spectrographers
Toxicologists — Bacteriologists
Engineers — Samplers — Inspectors
Assayers — Metallurgists

Write for Descriptive Brochures

LAUCKS LABORATORIES, INC.

Established 1908

1008 Western Ave. Seattle 4, Wash

LAWALL & HARRISSON

Biological Assays — Clinical Tests
Pharmacologic & Toxicity Studies
Chemical — Bacteriological Problems

Pharmaceutical and Food Industry Consultants

1921 Walnut Street Philadelphia Pa

INDEPENDENT LABORATORY SERVICE

Pharmacological research, product development, animal assays, hormone and vitamin assays, nutritional and bacteriological studies, toxicity tests; consultation on special problems

LEBERCO LABORATORIES

123 Hawthorne St., Roselle Park, N. J.

ALAN PORTER LEE, INC.

ENGINEERS

Plant and Process Design

150 Broadway, New York 7, N. Y.
Cable Address—Alportle

MOLNAR LABORATORIES

Consulting, Testing and Research

Specializing in
Organic Synthesis
Hormone Assays
Clinical Studies
Product Development and Control
Toxicity and Dermatitis Tests
Disinfectant Testing and Formulation

Member A. C. C. & C. E.

211 E. 19th St., New York 3, N. Y.
GRamercy 5-1030

Cable Address: Molchem

THE ORTHMANN LABORATORIES, INC.

Consulting Analytical & Research Chemists

For the Leather & Allied Trades

Aug. C. Orthmann, President

922 NORTH FOURTH STREET Milwaukee 3, Wisconsin

PUBLIC SERVICE TESTING LABORATORIES, INC.

381 Fourth Avenue New York 16, New York

MUrray Hill 6-1680 — 'PURTESLAB'
Chemical — Physical — Biological Tests
Dyes—Chemicals—Minerals—Metals and all Materials
Inspection—Certification—Research
Approved Testing Bureau for Many Foreign Governments

W. S. PURDY CO., INC.

Analytical & Consulting Chemists

TESTING OF PETROLEUM OILS, WAXES AND RELATED PRODUCTS

18 Bridge Street Brooklyn 1, N. Y.

Phone ULster 5-6568

RONA LABORATORIES, INC.

Technical Service for ... Manufacturers

PRODUCT DEVELOPMENT

Analyses-Consultation-Research for the Food, Drug, Cosmetic, Chemical and Allied Industries

David Perlstein, Sc.D., President
Gershon I. Shugar, Ph.D., Director
Paterson Plank Road Carlstadt, N. J

THE SCHEPP LABORATORIES

Research and Consulting Chemists

SURFACE CHEMISTRY

Large Surfaces—Fine Powders—Colloids

Wm. J. Schepp, Director

Member of Ass'n of Consulting Chemists and Chemical Engineers. Fellow of the American Institute of Chemists

21-23 Summit Ave. Tel. Fairlawn 6-1212 East Paterson, N. J.

Schwarz

ANALYTICAL, CONSULTING and RESEARCH CHEMISTS

Specializing in chemical, biochemical, bacteriological and nutritional analyses of raw materials and finished products of food and beverage plants. Process surveys and control, legal testing and consultation. Founded 1869

SCHWARZ LABORATORIES, INC.

202 East 44th St., New York 17 N. Y.

SEIL, PUTT & RUSBY, INC.

Established 1921

Earl B. Putt, President & Director

Specialists in analysis of Drugs, Essential Oils, Spices, Rotenone & Pyrethrum Insecticides, Flavors & Alcoholic Liquors

16 E. 34th St., New York 16, N. Y.

Phone: MUrray Hill 3-6368

RESEARCH • ANALYSIS DEVELOPMENT

Geared to Requirements of Your Business—Large or Small

Bacteriological, Nutritional, Biological, Toxicological and Chemical Studies for the Food, Drug and Chemical Industries

SCIENTIFIC ASSOCIATES, Inc.

2854 Meramec St., St. Louis 18, Mo.

RESEARCH CHEMISTS AND ENGINEERS

A staff of 75, including chemists, engineers, bacteriologists and medical personnel with 10 stories of laboratories and a pilot plant are available for the solution of your chemical and engineering problems

Write today for Booklet No 20:—

"The Chemical Consultant and Your Business"

FOSTER D. SNELL, INC.

29 West 15th Street New York, N. Y.

R. STECKLER LABORATORIES

8200 Harvard Ave. Cleveland 5, Ohio

CONSULTATION AND RESEARCH

Specializing in
Synthetic Resins, Coatings, Plastics and Related Organic Fields

Robert Steckler, Ph.D., Manager
(Member A.C.C.C.E.)

STILLWELL & GLADDING, INC.

130 Cedar Street, New York 6, N. Y.

Established 1868

Consultation, GENERAL ANALYSIS, SAMPLING, INSPECTION

UNITED STATES TESTING COMPANY, INC.

1415 Park Avenue Hoboken, New Jersey

Physical and Chemical Facilities for Research, Development and Testing

Paints, Varnishes, Lacquers and other Protective Coatings

Accelerated Weathering and Salt Spray Tests

Established 1880

JAMES F. WALSH & ASSOCIATES

Consulting Chemical Engineers and Food Technologists. Complete Analytical, Research and Pilot Plant Facilities.

For the Carbohydrate and Allied Trades
Foods, Processes, Improved and New Products—General Analytical Work.
Investigation of new products and processes.

Office and Laboratories
345 West 11th Street
Holland, Michigan

Eastern Associate
Meyer Moskowitz
25 Nagle Avenue
New York 34, N. Y.

WILEY & CO., INC.

Analytical and Consulting Chemists

Specializing in Analysis of Beverages, Fertilizers, Phosphates, Wood Pulp, Coal and Coke, Feeding Materials, etc

Calvert and Read Sts. Baltimore, Md

Bids Wanted

Acetone, 17,000 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1918, May 17.

Adhesive, 6,400 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1996, May 16.

Alcohol, ethyl, 486 gallons, Department of Agriculture (Washington 25) invitation 2070-49, May 19.

Ammonium nitrate, 20,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1995, May 18.

Anti-freeze, 47,544 gallons, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 553, May 10.

Barium chloride, crystals, 5,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1995, May 18.

Calcium hypochlorite, 100,000 pounds, various deliveries, Quartermaster Purchasing Office (New York 3) invitation 1208, May 23.

Chalk sticks, 1,500 gross, Post Office Department (Washington 25) invitation 87, May 13.

Chlorine, liquid, during fiscal year beginning July 1, 1949, Army Engineers Corps (Chicago 6) invitation 1000, May 10.

Chloroform, 10,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1951, May 12.

Corrosion preventive, aircraft engine, 32,790 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6468, May 13.

Disinfectant, cresylic, 2,200 gallons, Department of Agriculture (Washington 25) invitation 1495-49, May 19.

Dope, pyroxylin, approx. 3,800 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1845, May 17; 42,178 gallons, invitation 038-1897, May 13.

Drier, lead naphthenate solution, 30,000 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6431, May 17; 10,500 gallons, navy specification 52-D-7, invitation 6650, June 1.

Dye, 6,912 pounds, Army Chemical Center, Md., invitation 532, May 11.

Ethyl acetate, 45,050 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1767, May 16.

Ethylene glycol, 46,000 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1998, May 18.

Fluxes, various, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1913, May 17.

Formaldehyde solution, 169,565 gallons, Navy Purchasing Office (New York 3) invitation 4716, May 26.

Gases, medicinal & industrial, as required from July 1, 1949, Veterans Administration Hospital (Lexington, Ky.) invitation 50-5, May 24; acetylene, carbon dioxide, carbon dioxide & oxygen, compressed air, Freon, helium & oxygen, methyl chloride, nitrous oxide, oxygen, propane, nitrogen, hydrogen sulfide, Veterans Administration Hospital (Cleveland 9, Ohio) invitation 90-6, May 10.

Gelatin, 3,408 26-ounce containers, Bureau of Federal Supply (Washington 25) invitation IN-75303-R, May 16.

Glycerine, 2,500 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1999, May 13.

Hydrochloric acid, 7,632 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1917, May 17.

Ink, opaque, 250 gallons, Navy Purchasing Office (New York 3) invitation 4795, May 31; waterproof drawing, 31 dozen bottles, Post Office Department (Washington 25) invitation 3171, May 11; writing, 300 pint-bottles, numbering machine, 144 two-ounce bottles, stamp pad, 1420 two-ounce bottles, Bureau of Federal Supply (New York 13) invitation NY-W-16664, May 11.

Lacquer, camouflage, 9,552 gallons, and pyroxylin, 46,000 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1897, May 13.

Linseed oil, polymerized, 1,705 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6430, May 17.

Lubricating oil, preservative, 24,990 gallons, various deliveries, Army Ordnance Department (Raritan Arsenal, Metuchen, N. J.) invitation 551, May 26.

Magnesite, 50,000 pounds, Navy Purchasing Office (Norfolk, Va.) schedule 7926, May 12.

Methylene chloride, 625 gallons, U. S. Air Force (Wright-Patterson Base, Dayton Ohio) invitation 038-1999, May 13.

Methyl violet toner, 5,000 pounds, Bureau of Engraving & Printing (Washington 25) invitation BEP-739, May 13.

Milkpowder, 84,000 pounds, Veterans Administration (Washington 25) invitation 198-S, May 10.

Naphtha, 1,500 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1917, May 17.

Paint, enamel, 270 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6428, May 17; **various,** 8,700 pounds and 1,950 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6464, May 24; 15,033 gallons, invitation 6458, May 19.

Paint remover, 15,000 gallons, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6432, May 17.

Pepper, black, 60,000 pounds, Quartermaster Purchasing Office (New York 3) invitation 1217, May 23.

Phosphoric acid, 74,040 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1917, May 17; 160,000 pounds, invitation 038-1767, May 16.

Potassium bichromate, 12,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1999, May 13.

Potassium salts, including potassium hydroxide, 135,000 pounds and potassium cyanide, 10,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1995, May 18.

Protective coating, 6,960 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1894, May 11.

Sealing compound, 66,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-2007, May 13; 1,494 gallons, invitation 038-1916, May 17.

Shellac, orange, 3,000 gallons, Army Engineers Corps (Chicago 6) invitation 1026, May 13.

Sodium chloride, 80,000 pounds, Veterans Administration Hospital (Murfreesboro, Tenn.) invitation 363, May 17.

Sodium salts, including soda ash, 35,000 pounds; sodium metasilicate pentahydrate, 35,000 pounds; sodium phosphate, dibasic, 35,000 pounds; and trisodium phosphate, 2,500 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-2000, May 19.

Titanium dioxide, dry, 637,000 pounds, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6093, May 13.

Trichloroethylene, 220,000 pounds, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1998, May 18.

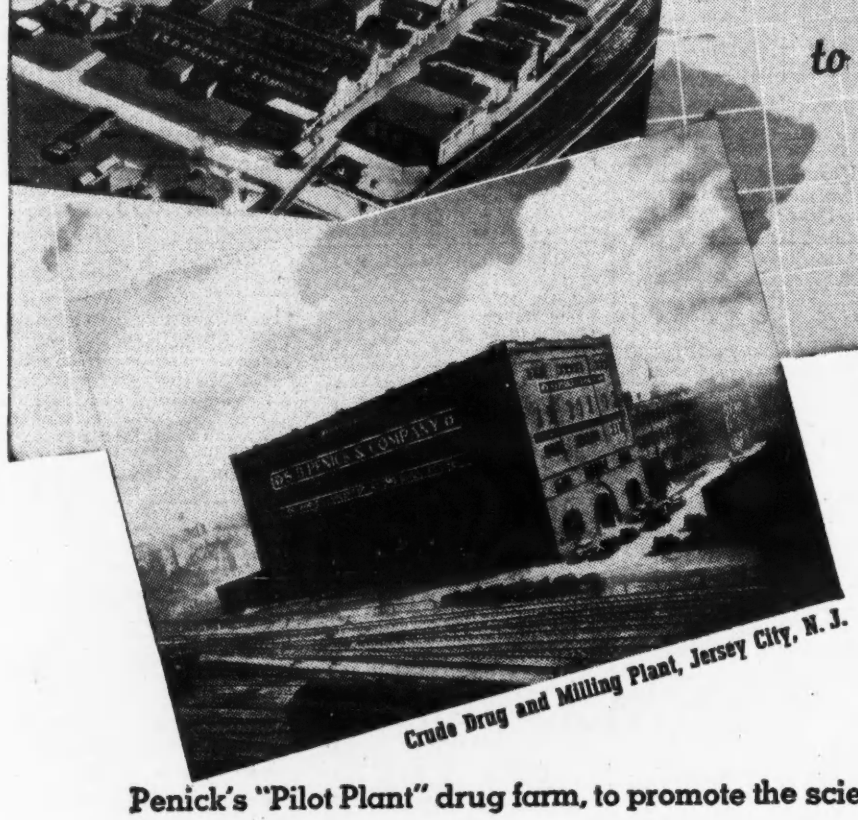
Triethanolamine, 3,021 gallons, U. S. Air Force (Wright-Patterson Base, Dayton, Ohio) invitation 038-1951, May 12.

Tung oil, raw, 30,000 pounds, Aviation Supply Office, Navy Department (Philadelphia 11) invitation 6443, May 18.

Wax, floor, water emulsion, 1,000 gallons, Post Office Department (Washington 25) invitation 3178, May 11; **floor,** 300 gallons and 5,280 pounds, Bureau of Federal Supply (New York 13) invitations NY-W & BO-W-16599, May 12.

Weed killer, 2,4-D, 1,815 gallons, Army Engineers Corps (New Orleans) invitation 299, May 10.

One of Our Several New Jersey Plants



Crude Drug and Milling Plant, Jersey City, N. J.

● From Algeria to Zanzibar, from the Belgian Congo to Yugoslavia—in fact, from S. B. Penick & Company's reliable collection sources throughout the world, come the choice and rare botanicals so essential to the maintenance of well-balanced stocks.

Penick's "Pilot Plant" drug farm, to promote the scientific cultivation of medicinal plants, is a singular factor in the company's progressive leadership. During the last few years, many hundreds of acres of valuable drug crops have been cultivated and processed by original and scientific methods.

As the world's largest collectors, growers and processors of botanical drugs and botanical drug derivatives, this Company has long been recognized as a steady, dependable source of supply.

From Aconite Root to Zedoary Root, down through a list of hundreds of botanicals, S. B. Penick & Company can serve you and meet your requirements with whole or milled material at all times.

THE WORLD'S LARGEST BOTANICAL DRUG HOUSE

S. B. PENICK & COMPANY

50 CHURCH STREET, NEW YORK 7, N. Y.
Telephone, COrtlandt 7-1970

735 WEST DIVISION STREET, CHICAGO 10, ILL.
Telephone, MOHawk 5651

Botanical Drugs, Spices, Gums

Some quarters reported a moderate improvement in the call for a fairly broad variety of medicinal botanicals and suggested that Spring trade might not be so far out of line with that a year ago. In condimental botanics, however, the tale was doleful and comprised variations on the ancient theme of strictly hand-to-mouth buying. In part, recession of activity even in the recently prominent pepper market was, by some, attributed to the trek of spicers to the annual convention that starts in Chicago today. The drop of 1.5 points in the market index was a readjustment in terms of the result of inventories and the index at 182.2 compared with 225.6 that came about when it declined 0.8 point a year ago.

Conditions in China continued to be a potential stimulent to price movements in cassia and Canton rolls rose briskly. Saigon rolls were sympathetically higher. Some shading of Honan and Yunnan rolls prices were noted but seemed unlikely to go far.

Roman chamomile was more competitive at moderate reductions. Some quarter reduced Hungarian chamomile prices but the change affected only the upper figure in the range. Borage flowers also reflected some oversupply in seeking lower price levels.

Domestic belladonna leaves were lower and sellers of imported leaves also shaded quotations as lack of demand became a depressant. Belladonna root at a decline was a dull item. Other competitive price developments included reductions in the price of gelsemium root, small manna flake, papain, and pomegranate root bark —the latter being the result of goods formerly quoted on a to arrive basis becoming actually spot.

Balsams

Copaiba—The last report of imports issued by the Department of Commerce covered February arrivals and made no mention of this article. The spot market was routine as to demand; steady as to price.

Fir—Market demand remained quiet and mainly for smaller lots of both varieties of merchandise. February imports of Canadian balsam totaled 100 pounds.

Peru—February importations totaled 16,174 pounds, according to the Department of Commerce. A dull market ruled here last week but prices continued to be relatively steady.

Tolu—Prices continued to spread widely according to dealer but only one quarter named the minimum of quotations. February imports totaled 30,760 pounds.

Barks

Cocillana—Moderate carryover of this bark exists this year but most dealers indicated the need for further importations that should reach better than fair sized totals during the months immediately ahead if Winter needs are to be protected.

Sassafras—Spring demand has begun to slump since most distributors now hold stocks sufficient to meet the declining need commonly experienced as Summer approaches. Most interest now centers in the 1949 collection of prime quality bark.

Beans

Vanilla—Little change came in the local market where dealers were awaiting further developments with respect to consumers covering requirements liberally now that it seems virtually certain that shipment prices in Madagascar will be maintained because of internal necessity in that island. The latest report of the Department of Commerce notes February importations as follows, and from the following origins:—Mexico, 6,263 pounds; Leeward Islands, 4,592 pounds; French West Indies, 1,600 pounds; Netherlands Indies, 2,000 pounds; French Pacific Islands, 890 pounds; and Madagascar, 33,212 pounds—a total of 48,557 pounds.

Berries

Fish—The need has been quite small and a recent arrival was deemed sufficient, by the importer, to cover all needs for a considerable period of time. Prices remained well stabilized.

Prickly Ash—Prices being offered workers in the primary market appeared to be low but considering the fact that calls from consumers have been on the low side and that some very high cost merchandise was still held by some dealers, the maintainence of quotations on the spot was not surprising.

Flowers

Chamomile—Both Yugoslavia and Belgium shared in February arrivals on this market. From the former came 3,307 pounds; from the latter, 1,080 pounds, making a total of 4,387 pounds. Roman flowers were lower at 81c. to $1.30 per pound.

Lavender—Demand for small lots of prime quality flowers were up slightly in one quarter but most sellers reported a major lack of interest in any quality of this item. February imports totaled 4,400 pounds from France.

Saffron—Jobbing demand alone was current and such business made a small total by the end of last week. February importations totaled 430 pounds, according to the Department of Commerce, which divided 176 pounds from Portugal and 430 pounds from Italy.

Gums

Aloe—The market seemed slightly easier, showing a limited tendency to move in favor of buyers without actually so doing. February imports of 25,499 pounds consisted of 20,699 pounds from Venezuela, and 4,800 pounds from South Africa.

Arabic—A routine and not expansive market ruled with prices showing reasonable stability. February importations totaled 1,096,063 pounds, all from the Sudan.

Asafetida—The February record of importations, as provided by the Department of Commerce, noted the arrival of 22,400 pounds of this item from Italy. The usual source of supply is India and the Near East.

Karaya—Good quality, released gum and not involving gum that had been recleaned, was not overly available on the spot and prices had a relatively strong

Market Trends

Prices Advanced

Drugs

None

Other Articles

Anise, star, 1c. per lb.
Cardamom, coorges, 5c. per lb.
decorticated, Guatemalan, 25c. per lb.
Cassia, Canton rolls, 1½c. per lb.
broken, 1½c. per lb.
Saigon, broken, 2c. per lb.
medium, 1c. per lb.
thin, 2c. per lb.
Grains of paradise, 3c. per lb.
Marjoram, French, 2c. per lb.
Pepper, white, 10c. per lb.
Sesame seed, Chinese, white, natural, 1c. per lb.

Prices Reduced

Drugs

Belladonna leaves, domestic, 15c. per lb.
imported, 10c. per lb.
root, 5c. per lb.
Borage flowers, 2c. per lb.
Chamomile flowers, Roman, 10c. per lb.
Fenugreek seed, Indian, ½c. per lb.
Gelsemium root, 10c. per lb.
Ginger root, Jamaica, No. 2, 1c. per lb.
No. 3, 1c. per lb.
Lobelia herb, 10c. per lb.
Manna flake, small, 10c. per lb.
Papain, 40c. per lb.
Pomegranate, root bark, 2c. per lb.

Other Articles

Allspice, Mexican, ¾c. per lb.
Cassia, Batavia, shortstick, 1c. per lb.
Honan rolls, broken, ½c. per lb.
Yunnan, rolls, scraped, ½c. per lb.
unscraped, ½c. per lb.
Celery seed, French, 1c. per lb.
Indian, ½c. per lb.
Fennel seed, Indian, ½c. per lb.
Mace, Amboyna, 2c. per lb.
Pepper, black, 1c. per lb.
Savory, French, 1c. per lb.
Sesame seed, Chinese, white, hulled, 1c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
182.2	183.7	183.7	225.6

(For Current Prices see Page 9)

Imports Detained by FDA

Week Ended April 29

New York

Cassia, 42 bags: filthy.
Elderberries, 52 bags: filthy.
Kola nuts, 239 bags: insect filth and bored.
Mace, 2 cases: live insects.
Manna flake, small, 7 cases: filthy.
Nutmegs, 190 bags: wormy.
Pepper, black, 294 bags: filthy; moldy and insect bored; siftings and pickings.
Pimento, 120 bags: filthy.
Tamarinds, in syrup, 62 barrels: filthy.
Turmeric, 70 bags: moldy; filthy.

For Late Market Developments, See Page 4

To buyers of

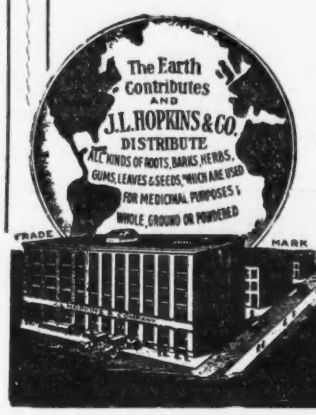
CRUDE BOTANICALS

who want what THEY want

WHEN they want it . . . .

There is nothing arbitrary about your insisting on getting the CRUDE BOTANICALS *you* want *when* you want them. You want crude botanicals, for instance, that are rigidly true to label. HOPKINS drugs are analyzed and tested chemically, botanically, physiologically — milled and refined to preserve the greatest uniformity.

You want Crude Botanicals WHEN you want them. By virtue of exceptionally ample stocks and facilities of our New York City warehouses and mills, prompt shipment to any part of the country is a fact with HOPKINS.



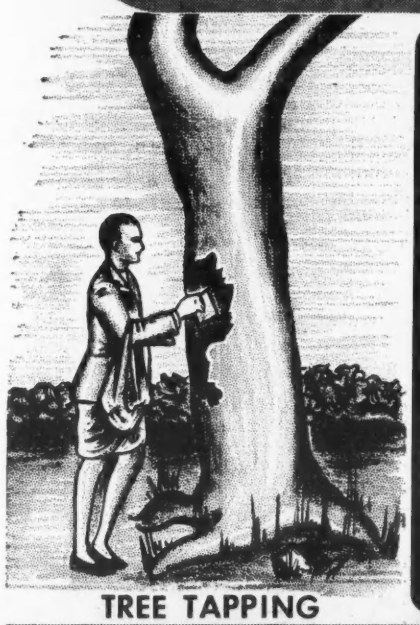
— Quality Is Remembered Long After Price Is Forgotten —

J. L. HOPKINS & CO.

PROFESSIONALLY MILLED
ANALYZED—STANDARDIZED CRUDE DRUGS
220 BROADWAY • • NEW YORK

GUMS *Chemicals and Drugs*

(CRUDE, POWDERED)



TREE TAPPING

GUMS:
GUM ARABIC
GUM ARABIC (Bleached)
GUM GHATTI
GUM KARAYA (Indian)
GUM TRAGACANTH
GUM EGYPTIAN
GUM LOCUST (Carob Flour)
QUINCE SEED
★
CASEIN
★
SPECIALTIES:
MENTHOL (Crystals)
★
TEA SEED OIL
★
EGG ALBUMEN
EGG YOLK
BLOOD ALBUMEN
JAPAN WAX
CANDELILLA WAX

PAUL A. DUNKEL & CO., Inc.

IMPORTERS AND EXPORTERS

1 WALL STREET, NEW YORK 5, N.Y. Hanover 2-3750

CHICAGO: 919 N. MICHIGAN AVE., TEL. SUP. 7-2462

REPRESENTATIVES:
CHICAGO: CLARENCE MORGAN, INC. PHILADELPHIA: BAKER & GAFFNEY
BOSTON: P. A. HOUGHTON, INC. LOS ANGELES: JOHN A. HUGHES

SELLING SHORT?

Overdone pessimism — scowls — sour stomach — short temper — maybe they don't follow in that order, but they all lead to the same place.

Why sell the Drug Industry short? The inventive genius —the pursued research of this industry is vast in scope and is leading to an assured and continuous prosperity for America.

Botanical Drugs are making their own peculiar contributions to this progress by improved methods of collection, milling and marketing. Continue to buy your crude drugs from "a basic source of supply."

R. J. PRENTISS & CO., Inc.

110 William Street, New York 7, N. Y. • 9 So. Clinton Street, Chicago 6, Ill.

PLANTS: BROOKLYN, N. Y. AND NEWARK, N. J.

basis because of that. February importations from India totaled 798,472 pounds.

Locust Bean—Detailed by origins, February arrivals were as follows:—United Kingdom, 93,084 pounds; Switzerland, 136,640 pounds; Portugal, 33,600 pounds; Malta, 24,520 pounds, and Italy, 370,720 pounds—a total of 659,464 pounds.

Herbs and Leaves

Belladonna—The price for foreign goods offered on spot was down to 85c. per pound. Domestic leaves were down to $1.10 minimum. February imports of leaves and root combined totaled 48,926 pounds, divided as follows:—from Yugoslavia, 42,326 pounds; from Rumania, 6,600 pounds.

Buchu—Not much spot activity was noted, regardless of which prices held steady. February imports from South Africa totaled 1,538 pounds.

Digitalis—Foreign goods could be had as cheaply as 80c. per pound. Quotations on the remainder of domestic-grown leaves was down to the basis of $1 per pound.

Henbane—Reasonable price stability governed under light call. February imports totaled 110,026 pounds, all from Egypt.

Lobelia—Herb was shaded to 55c. to 60c. per pound, prevailing according to spot supplier. Leaves remained at 85c., lowest.

Marjoram—French material was higher at 34c. to 34½c. per pound, a price at which spot deliveries were reported made last week. No change in the steady position of Chilean goods was noted.

Savory—French material was reduced to 17c. to 17½c. per pound under the influence of a fair sized, slow moving spot stock. Spanish remained unchanged at 14c. to 14½c.

Senna—February importations from India totaled 141,124 pounds, according to the Department of Commerce. The spot market still showed some signs of moderate unsettlement but prices were maintained.

Stramonium—February importations, by country of origin, were as follows:—From Argentina, 32,668 pounds; Italy, 21,883 pounds; China, 13 pounds. China is a heck of a place from which to get jimson weed!

Miscellaneous

Dragon's Blood—Demand lagged but not more so than it had for many weeks. Prices was easier. Recent arrivals replenished February imports totaled 948 pounds.

Ergot—A quiet but very steady spot market was based on limited supplies of prompt delivery merchandise. February importations from Portugal totaled 22,400 pounds.

Grains of Paradise—The market was higher at 30c. per pound, mainly because of limited stocks within a narrow distribution being more firmly held. The range, as to seller, was to 33c., this being in comparison with 36c. named previously at high.

Kamala—The range was narrower, being 45c. to 48c. per pound, possibly as the result of some marking down of inventory values.

Kola Nuts—February imports totaling 163,264 pounds, divided as to origin as follows:—From Jamaica, 22,400 pounds; Nigeria, 140,864 pounds.

Manna—More competition developed in the sale of small flake and during the past week the market ruled at 85c. to $1 per pound according to seller. Large flake remained at $1.25 to $1.35.

Nux Vomica—February imports totaled 33,600 pounds, all reaching here from India. Jobbing demand held prices steady last week.

Papain—In one quarter, and, apparently, in one quarter alone, the low price of $2.50 per pound was mentioned last week. The majority of sellers called the market at least $2.75 and some high test goods was selling at $3.20. High and agressive competition prevailed in all directions.

Roots

Aconite—Department of Commerce reports indicated that 2,205 pounds of aconite were imported last February but the report failed to specify whether leaves or root.

Belladonna—Though little was sold last week, the market was reasonably steady following a shading of prices to 45c. to 50c. per pound.

Gelsemium—A sharp price decline was noted, quotations dropping to a minimum of 25c. per pound and prevailing rarely in excess of 30c. in any quarter. Revalue of inventory had been afoot for some weeks.

Gentian—Some expected that a moderate revival of demand might take place. However, spot goods could meet it without requiring substantial replacement buying. February imports totaled 32,583 pounds, all coming from Yugoslavia.

Ginseng—Prices offered collectors continued to tend downward and some reports said that the buying market at the origin was as low as $8 in some instances. Spots were weak but not changed.

Goldenseal—Primary market growers on a small scale won't find a liberal price view prevailing among dealers. Reports last week said that around $2 was being offered. Depression in prices seemed likely to prevail until a truly free foreign market may be returned via the way of elimination of license requirements to import in foreign countries.

Rhubarb—February importations totaled 11,200 pounds last February, all coming from China. Local sellers found little change in demand but all seemed even more reserved because of the danger of exports being cut off in China.

Sarsaparilla—Importations last February totaled 9,671 pounds, being divided by origins as follows:—From Mexico, 6,584 pounds; Honduras, 3,087 pounds.

Seeds

Anise—Star seed from China was higher at 13½c. to 14c. per pound. The situation in China continued to make local sellers reserved.

Caraway—February imports were 75,450 pounds from Denmark, 126,925 pounds from Holland, and 16,350 pounds from the Netherlands Indies. Total, 218,725 pounds.

Cardamom—Bold bleached were virtually nominal. Medium bold were strong, unchanged. Coorges were up to $2.20 to $2.25. Decorticated seed, from Guatemala, higher at $2.40 to $2.45. February imports were 210 pounds from El Salvador, 1,120 pounds from India, and 80 pounds from China—totalling 1,410 pounds.

Celery—French seed on spot was shaded to 25c. to 26c. per pound; India, 23c. to 24c. February imports were 21,988 pounds from France and 55,016 pounds from India —totaling 77,004 pounds.

Fenugreek—Indian was firmer at 11c. to 11½c. per pound. February imports totaled 55,860 pounds from India.

Spices

Allspice—Quotations were a fraction higher at 14¼c. to 14½c. per pound.

Cassia—Canton goods from China were higher but activity was lower. Selected rolls, spot, 11½c. to 12c.; broken select, 10c. to 10½c. Batavia shortstick, lower at 24c. to 25c. All medium Saigon, higher at 33c. to 34c; all thin, 40c. to 41c; broken, 25c. to 26c. Honan rolls, unscraped, broken, 14c. to 14½c. Yunnan rolls, scraped, ½c. per pound, broken, ½c. per pound; unscraped, broken, 14c. to 14½c.

Ginger—Slightly more availability brought Jamaica No. 2 down to 35c. to 36c. per pound; No. 3, 33c. to 34c. Demand was light. February imports totaled 61,778 pounds, consisting of 7,603 pounds from Cuba, 9,875 pounds from Jamaica, 43,500 pounds from China, and 800 pounds from Hong Kong.

Pepper—Buying contracted sharply, easing prices moderately and bringing more competition at 85c. to 86c. per pound for black pepper. White pepper continued to rise, reaching $1.35 to $1.38 because of scarcity. New crop futures on Carolina red peppers were proposed at 40c. to 41c. per pound. February imports were as follows:—black pepper, 1,186,732 pounds, divided by origins as follows:—India 1,141,689 pounds; Netherlands Indies, 22,609 pounds; China, 66 pounds; and French Morocco, 22,368 pounds. White pepper, India, 22,400 pounds; and Netherlands Indies, 64,997 pounds. The total of white pepper was 87,397 pounds.

U.S. Revenue Returns Increased in March

The Bureau of Internal Revenue of the Treasury Department has reported taxes collected during March, 1949, as compared with similar data for March, 1948. Among the statistics presented are the following:—

	March 1949	March 1948
Coconut and other vegetable oils processed	$1,091,377.49	$2,493,146.26
Distilled spirits, domestic, excise tax	111,367,639.80	92,056,646.90
Distilled spirits, imported, excise tax	10,117,572.91	8,791,452.48
Gasoline	42,754,543.40	41,302,274.75
Lubricating oils	6,978,316.04	7,019,215.52
Matches	1,098,287.77	1,209,567.93
Narcotics, including marihuana and special taxes	34,185.31	55,512.94
Oleomargarin, including special taxes	1,496,644.35	904,130.16
Silver bullion sales or transfers, stamp tax	6,897.62	32,133.78
Sugar	5,061,829.11	3,510,070.46
Toilet preparations, excise tax	6,796,181.88	6,927,991.48
Transportation of oil by pipeline	1,934,308.18	1,769,786.85
Total	$188,637,785.56	$166,076,929.26

Industrial Application of Chemicals

("Where You Can Sell")

Fully Protected by Copyright

Diethyl Phosphite

Chemical—Suggested for use as intermediate in syntheses of organic chemicals, and as a solvent.

Paint, Varnish, and Lacquer—Suggested for use as paint remover and solvent.

2:4-Dinitrophenyl Thiocyanate

Agricultural—Offered as promoter of maturing of grapes and tomatoes.

Pesticide—Claimed as fungicide for use in the treatment of grapes and tomatoes.

Dioctyl Phthalate

Adhesives—Plasticizer in adhesive compositions containing nitrocellulose or resins.

Ceramic—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating ceramic articles.

Chemical—Plasticizer for nitrocellulose.

Cosmetic—Plasticizer in nail enamels and lacquers containing nitrocellulose as base material.

Electrical—Plasticizer in insulating compositions, containing nitrocellulose or resins, used for covering wire and in making electrical machinery and equipment.

Glass—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating glassware.

Leather—Plasticizer in compositions, containing nitrocellulose or resins, used in making artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions, containing nitrocellulose, or resins, used for protecting or decorating metallic articles.

Miscellaneous—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, varnishes, lacquers, enamels, and dopes containing nitrocellulose or resins.

Paper—Plasticizer in compositions, containing nitrocellulose or resins, used in the manufacture of coated papers and as coatings for protecting and decorating articles made of paper or pulp.

Photographic — Plasticizer in making films from nitrocellulose.

Plastics—Plasticizer in making laminated-fiber and molded articles and plastic materials from nitrocellulose or resins.

Resins—Plasticizer in solutions and other compositions of resins and cellulose derivatives.

Stone—Plasticizer in compositions, containing nitrocellulose or resins, used as coatings for decorating and protecting artificial and natural stone.

Textile—Plasticizer in compositions, containing nitrocellulose or resins, used in the manufacture of coated fabrics.

Wood—Plasticizer in compositions, containing nitrocellulose or resins, used as protective and decorative coatings on woodwork or applied for many filling and repairing purposes on wood.

Parachlorophenyldiazothiourea

Pesticide—Claimed as rodenticide.

Phenyl Biguanide Salt of Mercaptobenzothiazole

Miscellaneous—Antioxidant for industrial products apt to be spoiled by oxidation induced by the presence of small amounts of metals.

Oils, Fats, and Waxes—Antioxidant for fats and oils (tendency to form metal complexes enables it to act as an effective antioxidant wherever the oxidation is caused by the presence of trace amounts of metals).

Polymer Oil from Heavy Solvent Naphthas

Ceramic—Plasticizer in compositions, containing chlorinated rubber, used as coatings for protecting and decorating ceramic articles.

Electrical—Plasticizer in insulating compositions, containing chlorinated rubber, used for covering wire and in making electrical machinery and equipment.

Leather—Plasticizer in compositions, containing chlorinated rubber, used in the manufacture of artificial leathers and as coatings for protecting and decorating leathers and leather goods.

Metal-Fabricating—Plasticizer in coating compositions, containing chlorinated rubber, used for protecting and decorating metallic articles.

Miscellaneous — Plasticizer in coating compositions, containing chlorinated rubber, used for protecting and decorating articles of various sorts.

Paint, Varnish, and Lacquer—Plasticizer in paints, containing chlorinated rubber.

Plastics—Plasticizer in making laminated-fiber and molded articles, and plastic materials.

Rubber — Plasticizer in compositions, containing chlorinated rubber, used as coatings for decorating and protecting rubber goods.

Stone—Plasticizer in compositions, containing chlorinated rubber, used as coatings for decorating and protecting artificial and natural stone.

Wood—Plasticizer in compositions, containing chlorinated rubber, used as protective and decorative coatings on woodwork.

Quachromium Glucosate

(Quachromoglucosate, Tetrachromoglucosate)

(Additional uses, supplementary to those in the book, "Uses and Applications of Chemicals and Related Materials.")

Corrosion Prevention—Suggested as inhibitor in aerated water, calcium and sodium brines for freezing and ice plants, cooling systems for automobiles and stationary power plants, engine-jacket water for locomotive and marine diesels, gasoline and kerosene pipelines and tanks, high-chloride cooling water, hydraulic lifts, marine powerplant condensers and coolers, mercury arc rectifiers, pontoons and buoys (inside), powerplant condensers and coolers, recirculating spray systems for air washing and conditioning, refinery condensers and coolers, sealed-in absorbents for unit refrigerators, slushing compounds, water-soluble cutting oils.

Sodamide

Chemical—Suggested for use as aminating and condensing agent in organic syntheses.

Sodium Carbonate-Peroxide

Chemical—Oxidizing agent for various processes.

Dye—Oxidizing agent in making synthetic dyestuffs.

Food—Bleaching agent in the processing of foodstuffs.

Laundry—Powerful alkaline detergent for washroom batches (especially in admixture with soap).

Miscellaneous—Modifying agent for starches.

Oxygen source in breathing apparatus cartridges.

Pharmaceutical—Reputed oxygen source in therapeutic oxygen baths.

Soap—Powerful alkaline detergent in special cleansing compositions.

Textile—Bleaching agent in textile processing baths.

Terphenyls

(High-molecular weight aromatic hydrocarbons offered (1) as a mixture, and (2) as relatively pure individual isomers)

Chemical—Suggested for use in syntheses of drugs and other special organic compounds.

Suggested for use in making new products by halogenation, nitration, sulphonation (sulphonates may be hydroxylated in the manner usual for aromatic radicals).

Dye—Suggested for use in syntheses of dyes.

Tin Phosphate

Textile — Fireresistant agent (Brit. 555722) for fabrics (the fabric is secondarily treated with a wax emulsion containing a smoulderproof agent such as ammonium phosphate).

Zinc N-N-Dimethyldithiocarbamate

Rubber — Accelerator in vulcanizing processes.

Canadian Imports: Jan.

Imports of specified commodities into Canada have been published by the dominion's Department of Trade and Commerce. Among the listings for January, 1949, compared with January of 1948, and the January-December period of 1948, are the following products:—

	November		Jan.-Dec.
	1949	1948	1948
Acids	$349,000	$336,000	$3,926,000
Animal oils, fats, greases	592,000	1,114,000	11,872,000
Cellulose products	468,000	403,000	4,451,000
Chemical products, other	3,223,000	2,992,000	32,654,000
Coal products	1,363,000	1,769,000	19,839,000
Drugs and medicines	1,128,000	907,000	13,164,000
Dyeing and tanning materials	919,000	714,000	10,117,000
Fertilizers	461,000	508,000	6,298,000
Gums and resins	589,000	445,000	6,214,000
Inorganic chemicals, n.o.p.	1,792,000	1,153,000	18,481,000
Paints and varnishes	1,121,000	1,195,000	14,277,000
Petroleum, crude	13,417,000	13,716,000	191,980,000
Petroleum products, n.o.p.	6,429,000	5,032,000	109,802,000
Rubber and products	3,013,000	3,276,000	31,607,000
Synthetic resins and products	1,409,000	1,384,000	15,012,000
Tin	309,000	46,000	7,936,000
Vegetable oils	1,602,000	1,524,000	20,912,000
Wax, mineral and vegetable	224,00	199,000	2,211,000

Iraq Invites Drug Imports

The Directorate General of Imports of the government of Iraq has invited exporters to submit applications for import licenses for drugs and pharmaceuticals, among other items.

MUSTARD FLOUR
ALL GRADES
USP
USP BROWN
Special for Mayonnaise
Old Dutch Mustard Co., Inc.
Manufacturers
80 Metropolitan Ave., Brooklyn 11, N.Y.
Phone EVergreen 7-9156

Direct Importers
RHUBARB ROOTS
MENTHOL, (Natural)
GALLNUTS • PEPPERS
BUTYL ALCHOL
CHINA TRADING & INDUSTRIAL DEVELOPMENT CORP.
48 Wall Street, New York 5, New York, U. S. A.
Cable: DEVINDCHIN, NEW YORK
Phone: DIgby 4-1736 (4 lines)
BOMBAY • CANTON • CHUNGKING
HONGKONG • KARACHI • LONDON
SHANGHAI • TAIPEH • TIENTSIN

DODWELL GUMS
NATURAL AND PROCESSED
Whole — Crystal — Granulated — Powdered
KARAYA — TRAGACANTH — ARABIC
PSYLLIUM SEED AND HUSKS • LOCUST BEAN GUM
DODWELL & COMPANY LTD.
Gum Division HAnover 2-1580
79 WALL ST. NEW YORK 5, N. Y.
Plant & Labs. Hoboken, N.J.

FOUNDED T & B 1836
VANILLA BEANS
For over 90 years the recognized source of supply
THURSTON & BRAIDICH
286 Spring Street, New York 13, N. Y.

M. Cortizas & Co.
IMPORTERS OF VANILLA BEANS ALL VARIETIES
731-733 ARCH STREET
PHILADELPHIA 6, PA.
CABLE ADDRESS — VANCORT
CODES · BENTLEY'S SECOND PHRASE AND PRIVATE

Z & T
VANILLA BEANS
ZINK & TRIEST CO.
15 LOMBARD STREET PHILADELPHIA 47, PA.

SEIL, PUTT & RUSBY, INC.
Earl B. Putt, President & Director
Alfred S. Moses, Vice President
Stephen S. Voris, Ph.D, Chief Chemist
ANALYTICAL & CONSULTING CHEMISTS
Recognized Authorities on Drugs, Essential Oils, Rotenone, Pyrethrum, DDT, and other organic insecticides. Expert personnel. Modern equipment. Up to date methods.
Purchase contracts based on SEIL, PUTT & RUSBY, INC. analyses of deliveries are used by many importers. Consult us if we can serve you.
Prompt attention to air-mail samples from all parts of the world.
Laboratories 16 E. 34th Street, New York 16, N. Y.
Telephone MUrray Hill 3-6368

MAGNUS MEANS RELIABILITY
M&R MAGNUS

Cut Dollars
Off Perfuming Costs With

Citronella Oil Replacement #21 MM&R
Lemongrass Oil Replacement #619 MM&R

Amazingly effective . . . exceedingly versatile . . . these two replacements offer an economical solution to many a perfuming problem. You'll find them virtually identical in every respect to the natural products they represent—yet their cost is exceptionally low.

MAGNUS, MABEE & REYNARD, INC.

Write MM&R for price schedules and further information

16 DESBROSSES STREET, NEW YORK 13, N. Y.
221 NORTH LA SALLE STREET, CHICAGO, ILL.

Los Angeles: Braun Corp. • Seattle, Portland, Spokane: Van Waters & Rogers, Inc.
San Francisco: Braun-Knecht-Heimann Co.

SINCE 1895...ONE OF THE WORLD'S GREATEST SUPPLIERS OF ESSENTIAL OILS

MYSORE GOVERNMENT SANDALWOOD OIL

Distilled at Linden, N. J., from selected Mysore Heartwood by Sole Distillers and Selling Agents

W. J. BUSH & CO.
INCORPORATED
11 East 38th Street, New York 16, N. Y.

ESSENTIAL OILS | NATURAL FLORAL PRODUCTS | AROMATIC CHEMICALS

Florasynth LABORATORIES, INC.
1533 OLMSTEAD AVE • N. Y. 61, N. Y.

SUPREME AROMATICS
ESSENTIALS • FLAVORING
PERFUME • OILS
Chicago 6, Los Angeles 13 and other principal cities in the U. S., Canada and Mexico

Spot
TERPENES OF ORANGE-LEMON-LIME Available in drum lots
FLAVORING MATERIALS | ESSENTIAL OILS | AROMATIC CHEMICALS
D. W. HUTCHINSON & CO., INC.
162-164 FRONT STREET, NEW YORK 7, N. Y. | FOUNDED 1896 | Telephone: WHitehall 3-4774

CITRAL by FRITZSCHE... THE FINEST THERE IS!

Competitively priced, CITRAL by FRITZSCHE is made by a special and exclusive process. The result: true, lemon-like flavor without trace of usual lemongrass-methyl heptenone character. It is truly the finest!

WRITE FOR SAMPLE AND PRICE

FRITZSCHE Brothers, Inc. Established 1871
PORT AUTHORITY BUILDING, 76 NINTH AVENUE, NEW YORK 11, N. Y.
BRANCH OFFICES and *STOCKS: Atlanta, Georgia, *Boston, Massachusetts, *Chicago, Illinois, Cincinnati, Ohio, Cleveland, Ohio, Dallas, Texas, Detroit, Michigan, *Los Angeles, California, Philadelphia, Pennsylvania, San Francisco, California, *St. Louis, Missouri, *Toronto, Canada and *Mexico, D. F. FACTORY: Clifton, N. J.

Essential Oils, Other Aromatics

Some pickup in business was reported last week in the market for essential oils and aromatic chemicals but the gains by individual materials were moderate and for the most part were comprised of an increase in number of small orders received. The bottled beverage manufacturers played a considerable part in this improvement and the development was along seasonal lines. Raw materials for the most part occupied steady price positions. The exceptions were eugenol, priced lower under competition and regardless of the strong situation in raw material; spearmint oil, also lower but mainly because of severe competition in a dull market; and ylang ylang oils, which were lower for replacement. The market index was down 0.2 point in reaching 102.8, which compared with 131.2 a year ago when it dropped 0.7 point.

Some facts suggested that sales of raw materials used to make cosmetics and perfumes were being supported fairly well by the generally steady call for finished products in the low and medium price fields. Curtailment of sales at retail outlets continued to prevail in so called luxury items—meaning, for the most part, items intended as gifts in distinction from what might be called day-to-day cosmetics, or products bearing very high price tags that in themselves narrow sales possibilities.

Anise and cassia oils remained inert in price but most dealers could not escape the general tendency toward a moderate reserve in offerings until such time as a continuing export of goods from Hong Kong is assured, regardless of the civil war that is apt to expose producing areas to conquest by the communists. Interest in domestic peppermint and spearmint resulted in a limitation on orders but the progress of new crop expectations were interesting to seller and buyer alike. An early report by the Bureau of Agricultural Economics with respect to plantings would be welcomed by all concerned, it was said. Lemon of domestic origin was slightly firmer and movement improved. So did that of orange. Cardamom remained a strong but not active oil. Nutmeg was a trifle steadier and clove still tended upward.

Market Trends

Prices Advanced

Ginger oil, $1.50 per lb.

Prices Reduced

Eugenol, 5c. per lb.
Spearmint oil, 10c. per lb.
Ylang ylang oil, Bourbon, extra, $2 per lb.
regular, $1.50 per lb.
Madagascar, $1 per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
102.8	103.0	105.1	131.2

(For Current Prices see Page 9)

Essential Oils

Anise—The local price position failed of further development along stronger lines. Notwithstanding the situation in China, a situation that suggested the possibility of the production center being shut off from the shipment port of Hong Kong, a better than adequate spot stock was maintained available at previous quotations. However, little tendency to shade quoted prices existed, as against the recent trend toward meeting of competition more or less promptly when important orders were under negotiation.

Bay—The market merely remained steady. It was steady in the matter of dealers' selling prices and steady as concerned the requirements of buyers and the number of inquiries reaching the spot market. Competition was negilible throughout the week.

Bergamot—Open quotations still lacked quotable changes last week. Most dealers maintained a steady price position even as they suggested that the market was slightly unsettled and that quotations were being shaded from time to time to meet special conditions arising usually from the fact that the total demand from manufacturing consumers remained moderate.

Cajeput—Local stocks were conservative in size in the few quarters still offering prompt deliveries. The holdings were limited in size and confined to a comparatively few suppliers. Demand was light and irregular from day to day. Prices were steady.

Cananga—Jobbing demand was reasonably active but it did not seem to exist broadly throughout the spot market with prompt deliveries in hand. Quotations were relatively steady in the absence of much competition because of the sustained replacement cost.

Cardamom—The majority of sellers maintained prices strongly and, according to allegation, on a basis warranted by the at present high cost of raw material. On that basis, the range in quotations was $45 to $50 per pound. Yet one spot dealer stated that his price was $30 per pound —a level completely out of line with the quotations of practically all suppliers.

Cassia—Most dealers held what seemed at present to be a plentiful supply of this material. It should be adequate if the ability to obtain replacements steadily and promptly from Hong Kong remains unimpaired However, dealers did face the possibility that the present trend of Chinese civil war may at any moment cut off the producing areas from those selling the article for export. The position of most suppliers was one of wait and see what happens. Even under communistic control this oil could be maintained as an export item for financial reasons.

Cedarwood—Only jobbing business was noted and the total of such transactions was conservative in size at the end of last week Prices remained generally steady and were said to be in proper alignment with the prevailing prices on replacement oil.

Citronella—Soapers were not substantial buyers of this article, possible for the reason that stocks of manufactured products average high enough to make for recent price reductions and some lessening of production at the soap factories. Less production suggested smaller consumption of perfume bases.

Clove—Raw material was far stronger at the origins than on spot but the steady absorption of spot lots bought when primary markets on spice were far lower than today was an event that ultimately should be reflected in a higher cost to make oil in this country. Prices named by dealers in oil were steady throughout the past week and maintainence of the same was assisted by the well maintained demand for moderate sized quantities.

Costus—Stocks remained conservative and narrowly held in the local market. Yet, sufficient oil to meet current needs of buyers was apparently available and at prices definitely steady.

Cubeb—Demand was on a hand-to-mouth basis last week, exactly as it had been for a substantial period of time. However, the absence of weakness in berries tended to support oil prices firmly.

Dillweed—Prices remained minimum at $7.35 per pound and were quoted thereat in single quarter. The top end of the range was $8.25 and most sellers called the market between $7.75 and $8 according to quantity. Not much oil was reported in stock by a majority of dealers. Yet, definite unsettlement in market views was admitted since most sellers were disposed to look forward to contract selling to the pickling industry in the not far distant future.

Fennel—The steady quality of oil prices seemed to trace to the stability of quotations ruling in the raw material market. The inability to replace current stocks of spot oil at more favorable prices alone was sufficient to keep prices firm.

Geranium—From whatever quarter the report was the same:—replacement costs were strongly maintained in primary markets and spot stocks of oil were relatively small and growing smaller in the absence of steady arrival of replacement oil in normal amount. Demand remained light enough to prevent the full impact of stock shortages to be felt completely in the form of higher prices.

Ginger—Raw material showed no basic weakness at primary market points and, hence, sellers of oil were firm in their views on selling prices. Nor was a change in favor of consumers apt to come in the oil market until a similar development shall have preceded it in the costs of basic raw material. Some dealers did not quote. The market was up to $12.50-$13.50 per pound.

Grapefruit—The market remained steady. It lacked special activity on the part of manufacturing consumers and appeared to consist mainly of a better than fair number of smaller needs. Quotations were well maintained in all quarters supplying the oil.

Lavender—Some quarters reported an

For Late Market Developments, See Page 4

improvement in buyers' interest, though the gains were mainly conservative in degree and were built principally from the need to cover fairly nearby requirements on a slightly more liberal basis. Plenty of oil was available in local quarters and ample stocks were expected to be steadily available from the principal primary markets.

Lemon—Domestic oil seemed to be turning firmer and some quarters were disposed to attempt to secure moderately higher prices during the past week. Stocks appeared ample to meet all probable requirements and those who had Italian oil in hand to sell for prompt shipment from primary market reported top quality oil to be held at prices hardly competitive with the domestic product at this time. Demand was fair and steady.

Lemongrass—The replacement price position was easier and some used the word "weaker" in describing the primary market situation in this oil. However, the change of prices in favor of buyers for import has been inconsiderable and has yet to find general reflection in spot selling prices of most dealers.

Lime—The market continued to give evidence of a generally firmer position at the origin and on spot as well. Also, some betterment in consuming requirements have assisted in developing local resistence of price competition and have kept the spot market turned toward possibly higher prices in the not distant future.

Nutmeg—No further price developments came last week and for the most part the market was one of routine activity at reasonable steady quotations. Raw material showed no substantial shift in position following the declines noted in prices during the previous trading period. Oil was in ample supply.

Orange—Movement was very fair in volume. Trade consisted of an increased number of orders calling usually for moderate quantities for a substantially prompt, immediate delivery. The latter conditions suggested the possibility that some manufacturers' inventories of this raw material were not overly large. Stocks were available in ample quantities of most varieties of oil.

Palmarosa — Business was usually for small quantities that covered only the more pressing manufacturing requirements. Prices that were firm on spot reflected well-maintained shipment quotations at the origin. Stocks were sufficient but not excessive.

Peppermint—The market was quiet on spot and in the country. Activity at the origins centered all interest in the new crop that is going into the ground in Indiana and Michigan particularly. Some have "guessed" that the marked drop in prices during the past twelve months will result in a smaller acreage being cultivated this year and, for that reason, any hope that the first report of the Bureau of Agricultural Economics will be issued at the earliest possible moment. Whatever its shortcomings, said dealers, it is at least an objective document compiled with freedom from the self interest held perforce by farmers and actual producers, as well as sellers, of oil.

Petitgrain—The range in spot quotations was wider than recently and at the end of last week a steady market prevailed at $2.45 to $2.80 per pound, depending on seller, quantity, and quality of oil. Not a great amount of demand was noted.

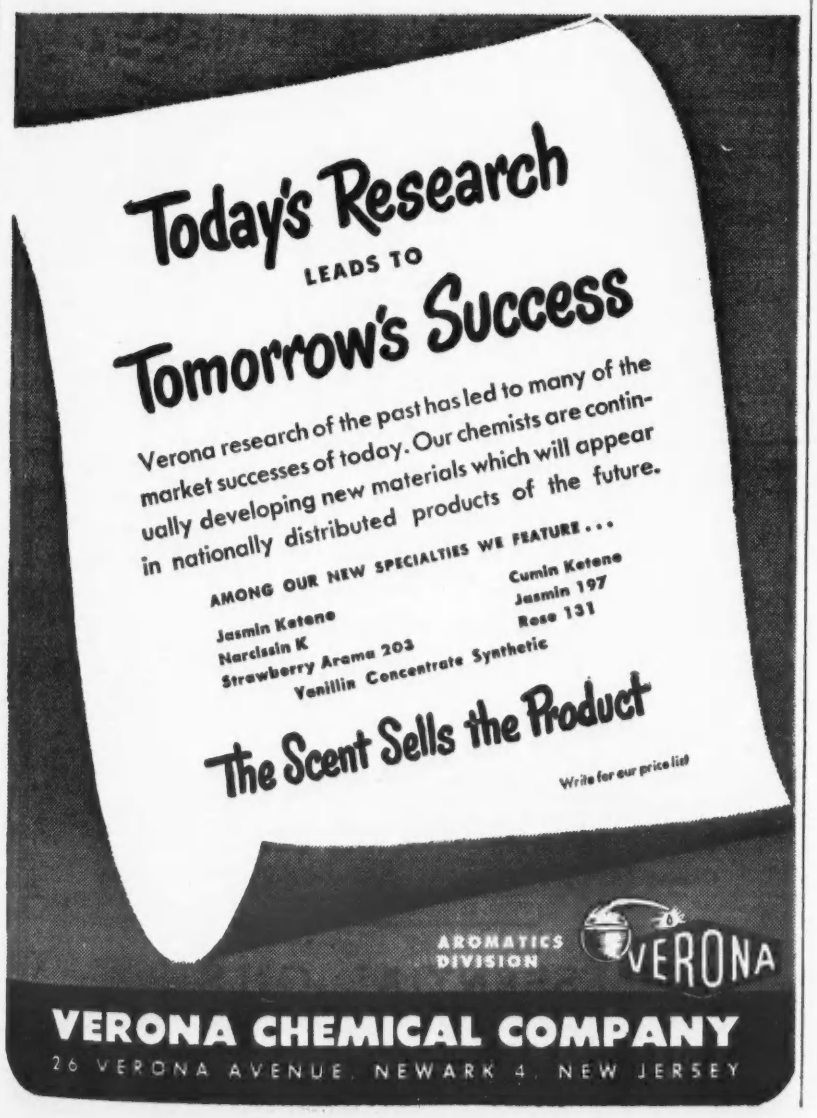
Sage—Foodstuffs manufacturers were not liberal buyers of this item in its several varieties and qualities. Only jobbing trade was reported last week but it resulted in relatively firm prices.

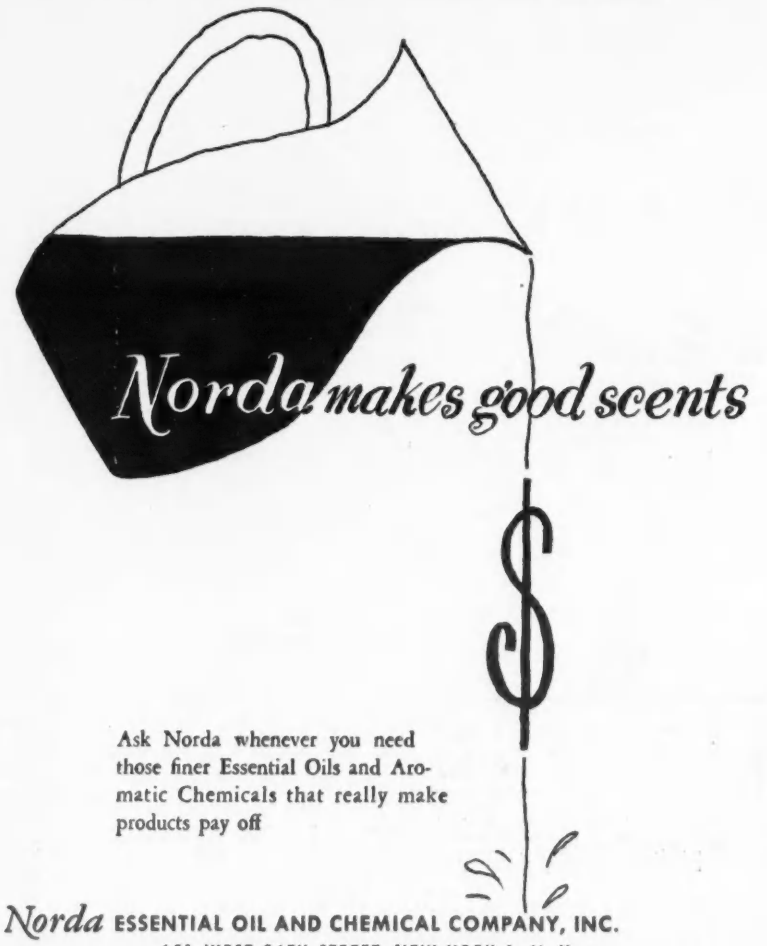
Snakeroot—Some felt that the market might work lower if raw material continued to develop along the line of the recent easing of quotations in the primary market. However, consumption of oil seemed unlikely to increase and the relatively small requirement would tend to work in the direction of price maintenance.

Spearmint—A buyers' market prevailed but it was also one in which buyers were far from being numerous during the past week. Prices eased to $3.85 per pound and it was suggested that as low as $3.75 per pound might be done on firm orders of attractive size. The tendency to reduce inventories of 1948 production was unabated and that kept conditions favorable for buyers.

Sweet Birch—The time when new production may be thought about was at hand and the fact that fair sized inventories were in existence tended to expand the idea that production this year might be along more conservative lines.

Ylang Ylang—Prices have been revised downward to bring them in line with the


Today's Research
LEADS TO
Tomorrow's Success
Verona research of the past has led to many of the market successes of today. Our chemists are continually developing new materials which will appear in nationally distributed products of the future.
AMONG OUR NEW SPECIALTIES WE FEATURE . . .
Jasmin Ketone
Narcissin K
Strawberry Aroma 203
Vanillin Concentrate Synthetic
Cumin Ketone
Jasmin 197
Rose 131
The Scent Sells the Product
Write for our price list
AROMATICS DIVISION
VERONA
VERONA CHEMICAL COMPANY
26 VERONA AVENUE, NEWARK 4, NEW JERSEY


Norda makes good scents
Ask Norda whenever you need those finer Essential Oils and Aromatic Chemicals that really make products pay off
Norda ESSENTIAL OIL AND CHEMICAL COMPANY, INC.
601 WEST 26TH STREET, NEW YORK 1, N. Y.
NEW YORK • CHICAGO • LOS ANGELES • ST. PAUL • MONTREAL
TORONTO • HAVANA • MEXICO CITY • LONDON • PARIS
NORDA...KNOWN FOR GOOD SCENTS

PERFUME MATERIALS · FLAVORS

FIRMENICH & CIE

SUCCESSEURS DE

CHUIT, NAEF & CIE

GENÈVE SUISSE

FIRMENICH & CO.

250 WEST 18th STREET, NEW YORK 11, N. Y.

CHICAGO OFFICE: 612 NORTH MICHIGAN AVENUE

IN CANADA: CARAMEED, LTD., 350 WALLACE AVENUE, TORONTO

schimmel for Perfume and Flavor Raw Materials and Specialties

SCHIMMEL & CO., INC.

601 West 26th St., New York 1, N. Y.

PERFUMERS' SPECIALTIES

BUSH AROMATICS INC.

135 LIBERTY STREET NEW YORK 6, N. Y.

Centflor Manufacturing Company

442-454 West 31st St., New York 1, N. Y.

Telephone: PEnnsylvania 6-1131-2

VETYVERT BOURBON, VETYVERT JAVA,

GERANIUM BOURBON, PATCHOULI PENANG

Afloat and Spot

ZIMCO® LIGNIN VANILLIN C.P. U.S.P.

A Natural Source Vanillin

Vegetable origin. Produced by our patented process from coniferous woods.

PURITY

UNIFORM FLAVOR

FINE AROMA and TASTE

CONSTANT AVAILABILITY

SOLUBILITY

For FLAVORS • PERFUMES • COSMETICS

SOAPS • COVER ODORS etc.

VERATRALDEHYDE—For Perfuming.

Heliotropin note much stronger than Heliotropin.

Shipments made DIRECT FROM FACTORY: ROTHSCHILD, WISCONSIN

Vanillin Division

GENERAL DRUG COMPANY

170 Varick St., NEW YORK 13, N. Y.

416 Lake Shore Drive, CHICAGO 11

VANILLIN DIVISION

Warehouse Stocks: NEW YORK, CHICAGO, LOS ANGELES

WORLD'S LARGEST SUPPLIERS OF VANILLIN

present cost of replacement. Bourbon oil, extra, ranged $10 to $11 per pound according to quantity; regular, $7 to $7.50; and Madagascar, $6.25 to $6.75.

Aromatic Chemicals

Amyl Cinnamic Aldehyde—The market was generally steady. Availability of the item was excellent, yet first costs tended to temper the competition that otherwise might have been the result of not too active demand and more than sufficient stocks.

Anethol—Sellers were reserved but beyond that they semed to ignore the situation steadily building up in the raw material market where producers of the starting point material could readily be cut off from shippers at almost any moment in China.

Cinnamic Aldehyde—The price range in material packed in drums was 83c. to 90c. per pound according to seller and quantity. Interest on the part of manufacturing consumers was moderate.

Ethyl Vanillin—Demand was normally active and since production costs have not eased, prices for the derived material continued to display substantial stability in all quarters. Stocks were reported to be not unduly large but did afford a comfortable cushion whereon to base any expansion in needs.

Eugenol—It was possible to quote the article slightly closer last week, the minimum of the range being $2 per pound while the top remained at $2.50 and prevailed as to dealer and quantity. Basically, the market was one of substantial strength, based almost solely on the strong position ruling raw material.

Givaudan-Delawanna Holds Annual Cocktail Party

Givaudan-Delawanna, Inc., essential oils and aromatic materials, New York, was host to representatives of the perfume and cosmetics industry at its recent annual cocktail party at the University Club. Andre Givaudan, who had just arrived in this country on a short business visit, discussed perfumery problems here and abroad with the assembled guests.

Seebach Names Forster Agent

The Edwin Seebach Company, New York, has appointed the Rene Forster Company North American sales representative. The Rene Forster organization will handle promotion of Seebach perfume compounds and specialties from offices at 920 Broadway, New York. It will also continue to handle aromatic chemicals, essential and natural oils under its own name.

Essential Oils World Trade

Exports and imports of essential oils in various foreign countries have been extracted by the Department of Commerce from reports from producing and consuming areas.

Madagascar and the Comoro Islands have reported exports of essential oils during the first eleven months of 1948 as follows:—clove, 494.4 metric tons, valued at 78,570,000 CFA francs; ylang ylang, 23.7 tons, valued at 30,813,000 CFA francs, and others, 13.5 tons, valued at 4,132,000 CFA francs.

Shanghai has reported exports of citronella oil to the United States during 1948 totaled 51,874 pounds, valued at $45,646. The total exports of this oil to the United States during December, 1948, amounted to 4,400 pounds, valued at $3,580.

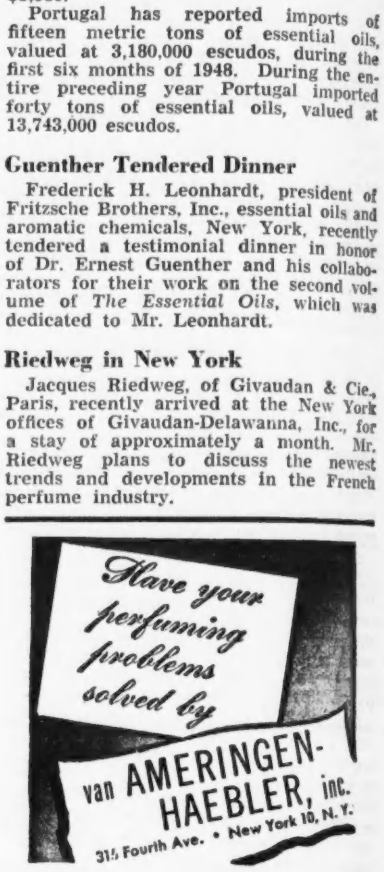
Portugal has reported imports of fifteen metric tons of essential oils, valued at 3,180,000 escudos, during the first six months of 1948. During the entire preceding year Portugal imported forty tons of essential oils, valued at 13,743,000 escudos.

Guenther Tendered Dinner

Frederick H. Leonhardt, president of Fritzsche Brothers, Inc., essential oils and aromatic chemicals, New York, recently tendered a testimonial dinner in honor of Dr. Ernest Guenther and his collaborators for their work on the second volume of *The Essential Oils*, which was dedicated to Mr. Leonhardt.

Riedweg in New York

Jacques Riedweg, of Givaudan & Cie., Paris, recently arrived at the New York offices of Givaudan-Delawanna, Inc., for a stay of approximately a month. Mr. Riedweg plans to discuss the newest trends and developments in the French perfume industry.



Gelloid (PURE CALCIUM CARRAGHEEN SULFATE)

Excellent as { Emulsifying Agent / Thickening Agent / Stabilizing Agent

For essential oil emulsions, paste dentifrices, hand lotions, etc.

Compatible with Alcohol (30%) and Glycerin.

JACQUES WOLF & Co.

MANUFACTURING CHEMISTS AND IMPORTERS

PASSAIC, N. J.

ROURE-DUPONT INC.

General Office

366 MADISON AVE., NEW YORK

Chicago Branch 510 North Dearborn St.

Los Angeles Branch 5517 Sunset Blvd., Hollywood

Sole Agents in U.S.A. and Canada for

Roure Bertrand Fils and Justin Dupont

Grasse (A.M.) France Argenteuil (S.&O.) France

ESSENTIAL OILS

AROMATIC PRODUCTS

Protective Coatings Materials

With the exception of gum rosin, which scored heavy gains in the wake of a new higher support price, all price movements in the market for coatings materials last week were on the down side. Among those noted were reductions for zinc dust, domestic casein, dibutyl phthalate, soybean protein, diisooctyl phthalate and bleached shellac. The price index, however, experienced its second straight week of stability, holding at 215.0.

Reflecting the recent decline in the metal, zinc dust was lowered one-half cent per pound. However, because at least one seller has stood pat on schedules for the past few weeks, there was a 2½ cent spread in the market at press time. Copper oxide was steady despite an additional 1½ cent drop in the metal. Nevertheless, the trade expected comparable action shortly, probably this week.

Call for aluminum paste and powder was light, as listings were maintained. Buying was similarly sluggish for antimony oxide, which also continued unchanged. Producers of dry colors reported a slight improvement in business, but emphasized that overall demand was still below par for this time of year. Quotations on chrome pigments, zinc yellow, organic toners and other dry colors were maintained.

Lead pigments were also firm, as the metal held steady. Demand was not very brisk, but sellers expected a rise in inquiry shortly because of the rapid depletion of consumer inventories. Zinc oxide was unchanged despite the recent one-half cent drop in the metal. Observers were of the opinion that no reduction would be forthcoming if the metal continued at present price levels.

Synthetic resins, particularly alkyds, retained their highly competitive note. Price activity was limited to one manufacturer, who lowered modified phenolics one cent to 2 cents, upped one alkyd 3 cents and decreased others in amounts ranging from one cent to 3½ cents per pound. Naturals were without feature.

Bleached grades of shellac dropped one cent across the board, as the Calcutta market held steady. Supplies of orange lacs were reported short here, but buying was sluggish. In line with the week's one cent drop in butanol, dibutyl phthalate was reduced one-half cent throughout the trade. Carload and tankcar listings of diisooctyl phthalate were downed one-half cent, the former reduced on a tradewise basis and the latter decreased in only one quarter. As a result, there was a one-half cent spread in the market on tankcars at press time.

Domestic casein slipped another one-half cent, while imported stood fast. However, because of the lack of buying, quotations on both materials were regarded as entirely nominal. High-test grades of hide glue remained in narrow supply. Medium and low-test grades were ample. Demand for the higher material was lively. Call for medium and lower grades was light. Soybean protein was off one cent.

Market Trends

Prices Advanced

Rosin, gum, New York, B, D, E, F, G, H, I, K, M, N, 55c. per 100 lbs.
WG, WW, X, 50c. per 100 lbs.
Savannah, B, 25c. per 100 lbs.
D, 40c. per 100 lbs.
E, 60c. per 100 lbs.
F, G, H, I, K, 91c. per 100 lbs.
M, 90c. per 100 lbs.
N, 86c. per 100 lbs.
WG, 85c. per 100 lbs.
WW, X, 74c. per 100 lbs.

Prices Reduced

Casein, dom., acid-precip., ½c. per lb.
Dibutyl phthalate, ½c. per lb.
Di-isooctyl phthalate, ½c. per lb.
Shellac, bleached, bonedry, 1c. per lb.
refined, 1c. per lb.
Soybean protein, chemically isolated, 1c. per lb.
Turpentine, gum, Savannah, ¾c. per gal.
Zinc dust, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
215.0	215.0	218.9	205.6

(For Current Prices see Page 9)

Prime Pigments

Aluminum Paste, Powder — Demand continued slow for this pigment during the past week. Stocks were everywhere ample. There were no price changes, and none were contemplated. Meanwhile, the Bureau of Census reported shipments of aluminum powder, flake and paste during March at 1,145,000 pounds, a rise over February shipments of 900,000 pounds and a lesser gain over the 1,122,000 pounds shipped during March, 1948.

Antimony Oxide—There was no change in the market situation of this pigment material during the period under review. Supplies were plentiful, offerings continuing freely available to all buyers. Consuming inquiry, however, was still on the sluggish side. Prices were maintained at 34c. to 35c. per pound for the ceramic grade and 35¾c. to 37c. per pound for paint grades.

Blue, Alkali—Excellent supplies and relaxed demand continued to feature this section during the week, as prices held firm.

Blue, Celestial—The market continued quiet last week. Stocks were good. Prices were maintained.

Blue, Iron—Availability of Chinese, Milori and Prussian blues continued excellent during the past week. Buying interest remained on the slow side. Quotations were firm, and there was no indication of any immediate change.

Blue, Methyl Violet Toner—Call for this material was still slight last week, as stocks remained good. Pricewise, there was no change.

Blue, Peacock—Listings were maintained throughout the trade during the week, as demand continued slow. Supplywise, the situation was regarded good.

Blue, Potash—This section was without feature last week. Stocks were adequate. Demand was light. Prices were firm.

Blue, Violet Toner—Listings were on a par with previous levels during the week. Buying interest remained at a low ebb. Stocks were plentiful.

Chrome Colors — Despite continued steadiness in the price structure, buyers were still reported to be holding back last week. Most producers of chrome pigments believed that consumer inventories were nearly exhausted and that demand would probably pick up within the next few weeks. Meanwhile, the supply position continued excellent. Prices were maintained. CP greens ranged from 37c. to 47¾c.; reduced greens were at 13c. to 28c.; CP orange brought 32c., and CP yellow commanded 32c. per pound.

Copper Oxide—The price of metallic copper slipped another 1½c. per pound during the week, but schedules on the oxide remained unchanged. Black ranged from 28c. to 28¾c., while red commanded 30c. to 32¼c. per pound. Sellers indicated that they were reviewing the situation, and the trade expected reductions shortly, probably this week.

Lead Pigments—Schedules on the oxides and white leads continued steady during the past week, as pig lead remained unchanged. Demand was not very brisk, but sellers expected a rise in inquiry shortly because of the rapid depletion of consumer inventories. The future of the metallic lead market was still uncertain, but some observers believed that metallic quotations to all intents and purposes had fallen as far as they could under present conditions. It was pointed out that further reductions are still a possibility, but that future declines, should they occur, would be limited in scope. In fact, the likelihood of a reversal of the price trend was not ruled out in some quarters., sellers maintaining that there was more than an outside chance of a rise in pig lead when the storage battery makers come back into the market at the end of the Summer.

Red, Lithol Toners—Buying continued light last week. Supplies of all toners were regarded adequate. Prices were maintained.

Red, Para Toner—There was no difficulty about supply in this section during the past week. Consuming interest, however, remained largely inactive. Quotations were unchanged from previous levels.

Red, Toluidin Toner—A quiet tone prevailed in the market for this organic toner. Call was light. Prices were steady. Stocks were good.

Yellow, Zinc—Despite the recent decline in metallic zinc, the price of this pigment material held firm in last week's market at 24½c. per pound. Business remained slow. Supplies were plentiful.

Zinc Dust—In line with the most recent decline in zinc metal, the price of this material was lowered ½c. per pound during the week. As at least one producer has stood pat on schedules for the past few weeks, a range in the market price of zinc dust continued at press time. Car-

For Late Market Developments, See Page 4

STEARATES

ALUMINUM
ZINC
CALCIUM
MAGNESIUM
BARIUM

A good source of supply for more than twenty-five years. Better then ever now.

SYNTHETIC PRODUCTS CO.
1798 London Road, Cleveland 12, O.

a NEW group of
Picco Products
HI-SOLV
Solvent oils

this is what these solvent oils will do...

★ increase the solvent power of kerosene
★ add to the flow of high temperature baking enamels
★ improve the ease of brushing of heavy consistency paints
★ dissolve insecticide chemicals, such as 2-4-D, DDT, etc.
★ serve as a penetrating oil
★ provide a blending solvent to improve cold tests
★ serve as a cut-back oil for tar pitches, etc.

Attractive Price Range!

SEND FOR SAMPLE AND DATA

Made in several grades, of which this specification is typical

PICCO HI-SOLV OIL NO. 473

Distillation	220°C (430°F.) to 270°C (520°F.)
Specific Gravity/15.5	0.925—0.935
Color (Gardner Holdt)	G-4
Mixed Aniline Point (ASTM)	33°C.
Flash Point	180°F. (COC)

Other grades of wider or shorter boiling range, varying colors, gravity, and degree of refinement are available.

PENNSYLVANIA
INDUSTRIAL CHEMICAL CORP.
CLAIRTON, PENNA.

Makers of: Coumarone Resins • Coal Tar Solvents • Styrene Resins • Rubber Plasticizers • Reclaiming Oils • Terpene Resins • High Solvency Naphthas • Solvent Oils
Plants at Clairton, Pa. and Chester, Pa.
Distributed by:
Pennsylvania Salt Chemical Co., Pittsburgh 30, Pa. and
Norwich Standard Chemical Co., Akron 8, Ohio

Pennsylvania Industrial Chemical Corp.
Clairton, Pennsylvania

Gentlemen:
Will you please send me a sample of PICCO HI-SOLV OIL. We are interested in this for

.....
NAME.....
COMPANY.....
ADDRESS.....
CITY.....STATE.....
(OP)

loads are quoted at 15¼c., to 17¾c. per pound, while less-carlots command 16¼c. to 18¾c.

Zinc Oxide—Makers of this pigment material did not go along with the recent ½c. drop in the metal. Furthermore, the trade believed that there would be no downward revision of oxide schedules at current metallic zinc price levels. Meanwhile, demand, though somewhat improved, was still said to be on the sluggish side. Sellers expected an influx of business shortly because of the rapid depletion of consumer inventories. The supply position of producers was good.

Fillers and Extenders

Calcium Carbonate — Arrivals during the past week totaled 2,400 bags of whiting from Antwerp.

Clay—Importations last week were reported at 651 tons of clay from Avonmouth. The market was otherwise without feature.

Magnesium Silicate—Buying continued on the sluggish side. Stocks were viewed as adequate. Imported during the past week were 14,286 bags of talc from Genoa.

Mica—Imports aggregated 6,714 cases of mica from Calcutta, London, Madras and Rio de Janeiro.

Synthetic Resins

The market, particularly in alkyds, continued highly competitive during the past week. Consumer inquiry remained at a low ebb. Producers stocks, meanwhile, were heavy. Price activity was confined to one manufacturer last week. This maker's line of alkyds was upped 3c. per pound on one grade and lowered in amounts ranging from 1c. to 3½c. on others. At the same time, a reduction of 1c. to 2c. per pound was also affected on modified phenolics.

Natural Resins

Conditions were without appreciable change in last week's New York market. Buying pace was still slow, consumers confining themselves to replacement orders. Most grades remained in excellent supply, although gums like No. 1 dammar were still short. Prices were officially without variance throughout the trade, although there was said to be some shading in certain quarters. Arrivals during the week totaled 1,024 baskets and 100 bags of copal gum from Sourabaya, Macassar and Manila.

Shellac—Bleached lacs dropped 1c. per pound in New York last week, as the Calcutta market continued unchanged. Stocks of the better orange lacs remained tight here. There was little buying. Lemon grades, superfine and TN lacs held steady. Following are current market quotations: — Bleached, bonedry, 64½c. to 67c.; bleached, refined, 74½c. to 77c.; lemon No. 1, 70c. to 71c.; lemon No. 2, 67c. to 68c.; superfine, 64c. to 65c., and TN, 61c. to 62c. per pound. Importations totaled 200 bags of kireelac, 5 bags of sticklac, 2,173 bags of seedlac and 3,160 bags of shellac from Calcutta, Bangkok, London, Massawa and Rotterdam.

Lacquer Materials

Dibutyl Phthalate—In line with the week's 1c. drop in butyl alcohol, prices on this plasticizer were reduced ½c. per pound across the board. Demand con-

OHIO-APEX, INC.
NITRO, WEST VIRGINIA

PLASTICIZERS
FOR ALL PURPOSES

WAREHOUSE STOCKS ARE NOW AVAILABLE IN THE FOLLOWING CITIES:

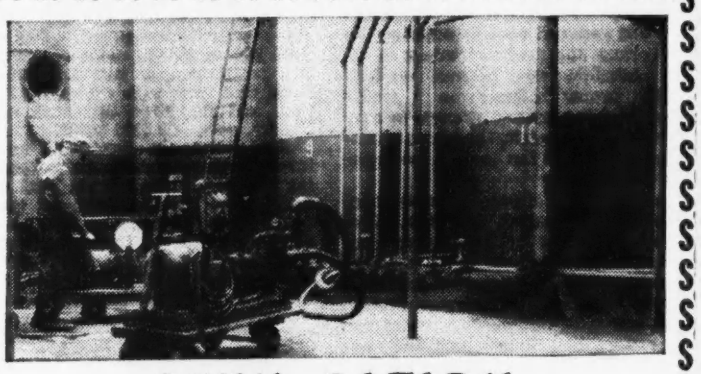
BOSTON, MASS.	Philipp Bros. Chemicals, Inc.	176 Federal Street
CHICAGO, ILL.	Central Solvents & Chemicals Co.	[illegible] Street
CINCINNATI, O.	Amsco Solvents & Chemicals Co.	4619 Reading Road
CLEVELAND, O.	Ohio Solvents & Chemicals Co.	3520 W. 140 Street
DETROIT, MICH.	Western Solvents & Chemicals Co.	6472 Selkirk Avenue
GRAND RAPIDS, MICH.	Wolverine Solvents & Chemicals Co.	1500 Century Avenue
HOUSTON, TEXAS	Texas Solvents & Chemicals Co.	8501 Market Street
INDIANAPOLIS, IND.	Hoosier Solvents & Chemicals Co.	1650 Leutt Avenue
LOS ANGELES, CAL.	Griffin Chemical Co.	555 South Flower Street
LYNDHURST, N. J.	Stoney-Mueller, Inc.	Page & Newark Avenues
MILWAUKEE, WISC.	Wisconsin Solvents & Chemicals Co.	1719 S. 83rd Street
NEW ORLEANS, LA.	Southern Solvents & Chemicals Co.	1854 Jefferson Highway
PROVIDENCE, R. I.	Philipp Bros. Chemicals, Inc.	511 Westminster Street
SAN FRANCISCO, CAL.	Griffin Chemical Co.	1000 16th Street
ST. LOUIS, MO.	Missouri Solvents & Chemicals Co.	419 DeSoto Avenue

Phone or Write Our Nearest Representative for Complete Service

JLS
Yellow
Oxide
(Synthetic)
•
J. LEE SMITH & CO., Inc
EST. 1854
25 ANN ST., NEW YORK 7

STANDARDIZED AND SPECIAL
stearates
· ZINC
· CALCIUM
· STRONTIUM
· MAGNESIUM
· ALUMINUM
· BARIUM
More than 20 Grades and Types Available. Samples on Request
MALLINCKRODT CHEMICAL WORKS
81 Years of Service to Chemical Users
Mallinckrodt St., St. Louis 7, Mo. • 72 Gold St., New York 8, N.Y.
CHICAGO • CINCINNATI • CLEVELAND • LOS ANGELES
MONTREAL • PHILADELPHIA • SAN FRANCISCO

Quality SHELLAC
8-lb. Extra Light
Pure French Varnish
For Lacquer Formulations
• LOW ACID NUMBER
• LIGHT COLOR
• EXCELLENT GLOSS
• GOOD ADHESION
• GREATER FLEXIBILITY
• EXCEPTIONAL CLARITY
• GREATER COMPATABILITY WITH NITROCELLULOSE SOLVENTS
THE MANTROSE CORPORATION
Importers - Bleachers - Manufacturers
136-146 FORTY-FIRST STREET
BROOKLYN 32, NEW YORK


SENN–SATION
LIQUID
PAINT and VARNISH REMOVER
★ ★ ★
A high quality, fast-acting product manufactured under rigid laboratory control.
• CONFORMS to Federal Specification TT-R-25la.
• PACKED under your own private label.
• SAMPLES and Prices upon request.
IN THE PORT OF PHILADELPHIA
GEORGE SENN, INC.
2200 E. WESTMORELAND STREET • PHILADELPHIA 34, PA., U. S. A.
Cable Address: SENCO, PHILADELPHIA

tinued light. Stocks were ample. Following are current quotations: — Carload, 31½c.; less carload, 32½c., and tanks, 30c. per pound.

Di-isooctyl Phthalate—Both carload and tankcar prices were lowered ½c. per pound during the week, the former on a trade-wise basis and the latter in only one quarter. As a result, prices were uniform throughout the trade for carload and less-carlot quantities, but were subject to a ½c. spread on the tankcar listing. Following are current market quotations:—Carload, 42½c.; less carload, 43½c., and tanks, 41c. to 41½c. per pound.

Dioctyl Phthalate—The market steadied at lower levels in the wake of recent decreases. Prices of this plasticizer were on a par with di-isooctyl listings for carload and less-carlot amounts, but ½c. higher than the low for di-isooctyl in tanks.

Sebacates—Business for these materials was reasonably good during the past week, as it has been for some time. Stocks were ample for all types. Prices were firm. Following are current quotations: — Dibenzyl, 67½c. to 69½c.; dibutoxyethyl, 55½c. to 57½c.; dibutyl, 54c. to 56c.; dicapryl, 56c. to 58c.; dihexyl, 43½c. to 45½c., and dimethyl, 71c. to 73c. per pound.

Miscellaneous Materials

Asbestos—Importations during the past week totaled 2,145 bags of asbestos fiber from Lourenco Marques. Supplies remained tight, as the Canadian strike continued without abatement.

Casein—Domestic dropped another ½c. during the week. Imported was firm. The former was quoted at 20c., while the latter brought 19¼c., but because of the lack of business both prices were regarded as entirely nominal. Nevertheless, Argentine producers were said to be unwilling to sell at current New York prices on the long-held hope of a rise in the Argentine exchange rate. However, there was no indication in business or financial circles either here on in Buenos Aires that the peso was due for an upping in the immediate future. Meanwhile, substitute materials were said to be finding increasing favor with consumers, notably glue manufacturers and paper coaters.

During the week ended April 20, Commodity Credit Corporation purchased 1,351,702 pounds of spray process skimmed milk powder and 1,777,845 pounds of roller process.

Glue—Supplies of high-test grades of hide glue remained narrow during the week. Medium and low-test grades were ample. Demand for the higher grades was reported lively. Call for medium and lower grades was light. Prices remained stable. Bone glue was in excellent supply all along the line. Inquiry for bone glue was sluggish. Pricewise, there was no change. Imported last week were 3,280 bags and 230,594 pounds of bones from Havana, Rio Grande and Havana, 1,100 bags of crushed bones from Bangkok, 390 bags of ossein from Antwerp and 388 bales of gluestock from Havana, Karachi Puerto Plata.

Soybean Protein—The chemically-isolated grade was off 1c. per pound last week. Following are current market quotations:—40,000 pounds, 19c.; 20,000

Shawnee
DRY COLORS
"Color Content Guaranteed"

Chrome Greens
Chrome Yellows
Zinc Chromate
Strontium Chromate
Toluidine Reds
Para Reds, Iron Blues
Cadmium Colors
Maroons
Lake Colors
Zinc and Aluminum Stearate
"Kentucky Color" also distills:
No. 2-D Shingle Stain Oil
Dirty Solvent Recovered
KENTUCKY COLOR & CHEMICAL CO., INC.
General Office and Works:
LOUISVILLE, KENTUCKY
Offices and Agents in Principal Cities

PURE CHROMIUM OXIDE GREEN

Immediate Delivery

This color of outstanding endurance is of high tinctorial strength and is finding ready acceptance.

Meets Federal Specifications TT-C-306

Immediate shipment from New York, Philadelphia, Baltimore, Los Angeles, or Muirkirk, Md.

1261 BROADWAY
NEW YORK 1, NEW YORK

629 W. WASHINGTON BLVD.
CHICAGO, ILLINOIS

Mineral Pigments

MINERAL PIGMENTS CORP., MUIRKIRK, MD.

DI METHYL PHTHALATE

DI OCTYL PHTHALATE

BIRCH-KLINE CO., Inc.
369 LEXINGTON AVENUE NEW YORK 17, N. Y

Telephone: MUrray Hill 5-6658

unpleasant odors masked with

SANTOMASK II

Objectionable "fresh paint" odors are eliminated when you use Santomask II in your paints, varnishes and enamels. Painters and their customers prefer finishes that do not have unpleasant smells. That means preference for your brands when you use Santomask II.

Santomask II blends easily with all the ingredients of finishes and can be added either during processing or after products are finished. Santomask II does not affect color, drying time or durability. For complete details and samples, mail the coupon, contact the nearest Monsanto Sales Office or write: MONSANTO CHEMICAL COMPANY, Desk E, Organic Chemicals Division, 1713 So. Second St., St. Louis 4, Mo.

OTHER USES OF SANTOMASK II

Santomask II has been used successfully in masking objectionable odors in a wide variety of products, such as: Vinyl free film, coated fabrics, ink, coated paper.

DISTRICT SALES OFFICES: Birmingham, Boston, Charlotte, Chicago, Cincinnati, Cleveland, Detroit, Houston, Los Angeles, New York, Philadelphia, Portland, Ore., San Francisco, Seattle. In Canada, Monsanto (Canada) Ltd., Montreal.

SANTOMASK: Reg. U. S. Pat. Off.

MONSANTO
CHEMICALS — PLASTICS

MONSANTO CHEMICAL COMPANY
Desk E, Organic Chemicals Division
1713 South Second Street, St. Louis 4, Missouri
Please send, without cost or obligation, data and sample of Santomask II.

Name _____ Title _____
Company _____
Street _____
City _____ Zone ____ State _____

SERVING INDUSTRY . . . WHICH SERVES MANKIND

industrial CHEMICAL SALES
division west virginia pulp and paper company

LIQRO CRUDE TALL OIL

INDUSOIL DISTILLED TALL OIL
TALLENE TALL OIL PITCH
TALLEX ABIETIC ACID
POLYCEL CELLULOSE FIBERS
PRECIPITATED CALCIUM CARBONATE
NUCHAR ACTIVATED CARBON
SULFATE WOOD TURPENTINE
ALPHA PINENE
BETA PINENE
INDULIN (LIGNIN)

SALES OFFICES

New York Central Bldg. 230 Park Avenue New York 17, N. Y
Pure Oil Bldg. 35 E. Wacker Drive Chicago 1, Illinois
Public Ledger Bldg. Independence Square Philadelphia 5, Pa.
Leader Bldg. 526 Superior Ave., N.W Cleveland 14, Ohio

DC Dow Corning SILICONES

Silicone News

Increase Sales In a Buyers' Market

Most of us are glad to see the sellers' market give way to a more normal and healthy buyers' market. It means that quality, price and merchandising are again determining sales volume. And Dow Corning Silicones will help you maintain your position in a buyers' market because they help to improve quality and reduce costs in almost every field of industry.

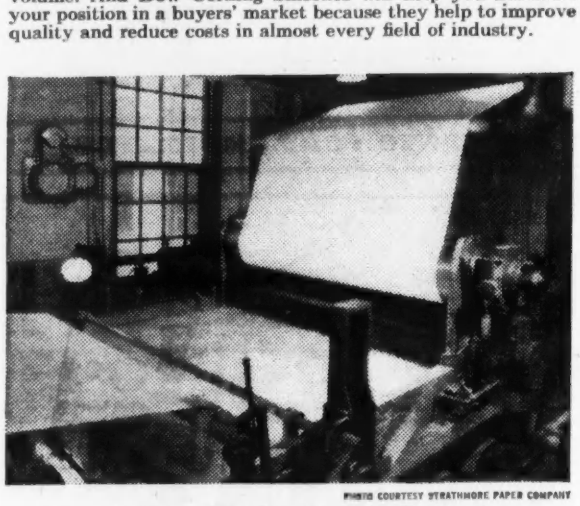


PHOTO COURTESY STRATHMORE PAPER COMPANY

DC Antifoam A contributes to quality by killing foam in the gelatin glue sizing applied to high grade bond papers.

Strathmore chemists found that a solvent dispersion of DC Antifoam A in a concentration of less than 100 parts per million prevents the formation of foam; pemits a smooth and even application of sizing and minimizes defects in sheet formation and watermarking.

At the sizing machine, paper is run through tubs of glue sizing and the excess is squeezed off the paper between a metal and a rubber roll. Bubbling or foaming at the nip of the rolls may cause specks or dry spots on the paper. And excessive foaming of the pulp stock in the beater builds up to cause imperfections as the sheet is formed or as the paper is watermarked.

Strathmore engineers found that a solvent dispersion of DC Antifoam A in a concentration of less than 100 parts per million prevents the formation of foam; permits a smooth and even application of sizing and minimizes defects in sheeting and watermarking.

The paper industry is only one of the many process industries in which DC Antifoam A saves time and money or improves quality. And DC Antifoam A is only one of the many Dow Corning Silicone Products that help to protect your position in a buyers' market. Call our nearest branch office or write for our new pamphlet No. B5-Z2 describing DC Antifoam A.

DOW CORNING CORPORATION • MIDLAND, MICHIGAN
Atlanta • Chicago • Cleveland • Dallas • Los Angeles • New York
In Canada: Fiberglas Canada, Ltd., Toronto
In England: Albright and Wilson, Ltd., London

Dow Corning
FIRST IN SILICONES

pounds, 19¼c., and smaller lots, 19½c. to 23c. per pound.

Naval Stores

Both New York and Savannah gum rosin prices scored heavy gains last week following announcement by the Department of Agriculture of a new higher gum naval stores support price. The new level for the 1949 crop was set at 80 percent of parity, or $114.08 per production unit of fifty gallons of turpentine and 1,400 pounds of N-grade rosin. This compares with $99.89 per unit, or 70 percent of parity, which level was announced on March 11.

There was no change in the initial rate of turpentine, the price holding at the March 11 level of 40c. per bulk gallon. However, N-grade rosin was advanced to $6.72 per hundredweight from $5.71. The support price for the 1948 naval stores crop was set at 90 perecent of parity.

The record of the gum naval stores markets over the week ended May 6 were as follows:—

Gum Rosin

	Price per 100 lbs. Savannah Exchange (Low of range) Mon.	Tues.	Wed.	Thurs.	Fri.	New York c.l., l.c.l., f.o.b. ex N. Y. whse. Friday
B	$5.60	$5.60	$5.75	$5.75	$5.73	$7.40 $8.15
D	6.38	6.38	6.00	6.00	6.00	7.40 8.15
E	6.38	6.38	6.20	6.20	6.20	7.40 8.15
F	6.38	6.38	6.49	6.58	6.51	7.40 8.15
G	6.38	6.38	6.49	6.58	6.51	7.40 8.15
H	6.38	6.38	6.49	6.58	6.51	7.40 8.15
I	6.38	6.38	6.49	6.58	6.51	7.40 8.15
K	6.38	6.38	6.49	6.58	6.51	7.40 8.15
M	6.38	6.38	6.49	6.58	6.51	7.40 8.15
N	6.38	6.38	6.49	6.58	6.51	7.40 8.15
WG	6.38	6.38	6.49	6.58	6.51	7.45 8.20
WW	6.38	6.38	6.52	6.58	6.58	7.60 8.35
X	6.38	6.38	6.52	6.58	6.58	7.60 8.35
	Drums					
Sales	301		391	186	265	
Receipts	239	150	54	455	91	
Shipments	10		2,372	1,299		
Stocks	24,310	24,460	22,142	21,298	21,389	

Gum Turpentine

	Savannah Exchange Bulk Mon.	Tues.	Wed.	Thurs.	Fri.	New York (ret. dms.) tanks l.c.l. f.o.b. ex N.Y. whse. (7 lbs.) Friday
Per gal.	.40¼	.40¼	.39¾	.39¼	.39¼	.48 .57
Sales, bbls.	160	...	160	160	160	
Receipts, bbls.	72	536	251	188	338	
Shipments, bbls.	317	...	6,443	1,234	78	
Stocks, bbls.	13,308	13,844	7,652	6,606	6,866	

American-Marietta Names Tomes Sales Division Head

The American-Marietta Company, paint manufacturer, Chicago, has appointed Austen F. Tomes sales manager of its Valdura division. Mr. Tomes was eastern sales manager of the Truscon division of Devoe & Raynolds, Inc., for the past two years, and was formerly general field manager of the maintenance division of the A. C. Horn Company.

Pittsburgh Paint Group Discusses Oiticica Oil

Dan Brand, Brazil Oiticica Company, New York, was the featured speaker at a reecnt meeting of the Pittsburgh Paint and Varnish Production Club in the Fort Pitt hotel. Mr. Brand's talk was accompanied by a motion picture which featured the history, lore and technique of the production of oiticica oil.

N.Y. Paint Technicians Elect Aloia President

C. A. Aloia, of the Sigmund Ullman division of the Sun Chemical Company, Long Island City, N. Y., has been elected president of the New York Paint & Varnish Production Club for the coming year, it was announced at the regular monthly meting held on May 5. Other officers elected were Ralph W. Charlton, Congoleum-Nairn, Inc., vice-president; Herbert E. Hillman, Eagle Paint & Varnish Works, secretary, and E. Dale Albert, Keystone Varnish Company, treasurer.

Elected to the executive committee were W. E. Santoro, Standard Varnish Works; LeRoy D. Soff, Paragon Paint & Varnish Corporation, and Albert E. Smiles, International Paint Company. Fred Damitz, of the National Varnish Products Corporation, was elected federation representative for the New York club.

It was announced that the formal presentation of the New York club's Mattiello Memorial Collection will be made to the Polytechnic Institute of Brooklyn at the institute on May 16 at 8 p.m.

Originally a goal of $3,000 had been set as a trust fund to be invested and the income used to buy additional technical books on protective coatings and materials and keep the collection up to date. So far, the original goal has been passed by about $350.

A permanent Mattiello memorial committee is being formed to receive the interest from the trust fund, additional donations of books or cash, and to administer the affairs of the memorial.

COLORS
• IRON BLUE
• CHROME GREEN
• CHROME YELLOW
• ORGANIC LAKES
• AND TONERS
For Paint • Printing Ink • Carbon Paper • Rubber • Crayons • Cement, etc.
FILO COLOR & CHEMICAL CORP.
11 BROADWAY, NEW YORK 4, N.Y.
Cable: FILOCOLOR

WANTED
CHEMICALS — PHARMACEUTICALS
DYESTUFFS — PIGMENTS — WAXES
SOLVENTS — BYPRODUCTS
War Surplus of All Kinds and Job Lots
U. S. FACTORS LTD.
21 Columbus Ave. San Francisco 11, Calif.
Phones DOuglas 2-9148-9152 Cable: "USFACT"

CASEIN
All Types - Any Quantity
NATIONAL CASEIN SALES
601-619 W. 80th Street
Chicago 20, Illinois
NATIONAL CASEIN COMPANY
Broad and Fulton Streets
Riverton, New Jersey

LABORATORY CONTROLLED
SOLUTIONS
OF
NITROCELLULOSE • VINYL • ETHYL CELLULOSE
Made to your specifications, or in standard solvent blends, for quantity users and formulators of
LACQUERS • SPECIALTY COATINGS • ADHESIVES
SAFETY - ECONOMY CONVENIENCE
DENNIS CHEMICAL CO.
2701 PAPIN ST. ST. LOUIS 3, MO

Gets Goodyear Medal

Dr. Harry L. Fisher, director of organic research of U. S. Industrial Chemicals, Inc., has been awarded the Charles Goodyear Medal for outstanding achievement in rubber chemistry by the division of rubber chemistry of the American Chemical Society. It will be presented at a meeting of the division in Boston on May 23 to 25.

Sherwin-Williams Develops New Synthetic Drying Oil

The Sherwin-Williams Company, Cleveland, has announced the development of a new synthetic drying oil, partly derived from vegetable oils, which can be "tailor made" to suit a wide variety of specific requirements. Now available as "High Polymer Oil Number 11," the new product was developed primarily for use as the bodied portion of the vehicle in exterior paints, according to the company.

The new oil is said to dry unusually fast, to be free from after-tack and to possess excellent color retention. In addition, it has a markedly low acid value for an oil of its viscosity, and is essentially non-reactive with basic pigments, according to Sherwin-Williams engineers.

Kelley Named President Of Peaslee Gaulbert Paint

Devoe & Raynolds Company, paint manufacturer, New York, has named Edwin P. Kelley president of the Peaslee Gaulbert Paint & Varnish Company, Louisville, Ky., a Devoe & Raynolds subsidiary. Mr. Kelley, who is a director of Devoe & Raynolds, has been executive vice-president of the Peaslee Gaulbert organization for the past several years.

L.A. Paint Technicians Discuss New House Paints

The Los Angeles Paint and Varnish Production Club heard Roy Troutman, west coast manager for E. I. du Pont de Nemours & Co., discuss "Current House Paints" at a recent meeting. Mr. Troutman's talk was accompanied by photographic slides depicting various oil and pigment concentrations, bodied oils as against uncooked oils, and other phases of the topic.

Hilton-Davis Seeks New Printing Ink Vehicles

The Hilton-Davis Chemical Company, Cincinnati, has launched an intensified program seeking to obtain new and less costly vehicles for use in printing inks without sacrifice of quality. Under the direction of Dr. Raymond Werner, several samples of new vehicles have been formulated and are under practical trial.

Hardinge Publishes Bulletin

The Hardinge Company, York, Pa., has published a bulletin discussing its wet grinding mills. The publication covers conical ball and pebble mills, with installation operating data and flow diagrams; convex head cylinder mills, convex head rod mills; wet grinding systems; classifiers; thickeners; feeders, and other items.

Thomas Heads Chi. Credit Men

G. T. Thomas, manager of credits and accounting of the Sherwin-Williams Company, paint manufacturer, has been elected president of the Chicago Association of Credit Men. Mr. Thomas has been with Sherwin-Williams in his present capacity since 1930. Prior to that he was with several other firms, among them the Federal Rubber Company, Milwaukee.

New York Paint Club Annual Meeting May 12

The New York Paint, Varnish and Lacquer Association will hold its annual meeting at the Biltmore hotel, New York, on May 12. The program will be launched at 4 p.m. with an informal talk and personal reports by a series of raw material men, followed by an educational motion picture furnished by the Rinshed-Mason Company. New officers will be elected, and dinner will be served at 7p.m.

Goodyear Publishes New Resin Information Booklet

The Goodyear Tire & Rubber Company, Akron, Ohio, has published a new technical guide on its "Pliolite S-5" resin. The new booklet presents the information contained in the previous sales manual and temporary bulletins in a more concise manner, and describes the latest developments on the properties and uses of the resin. Copies may be obtained from the chemical division of the company.

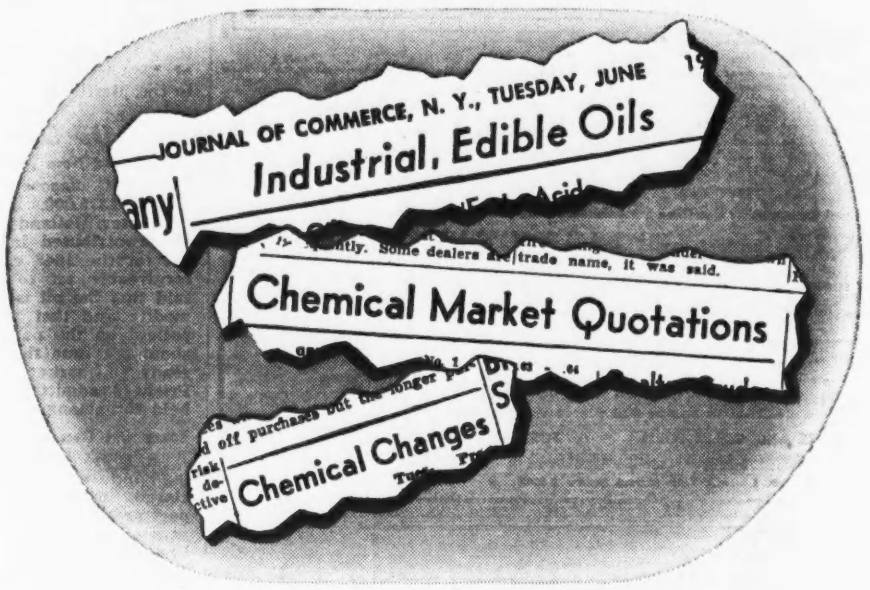
UDA

ethyl alcohol

For Drugs • Paints • Plastics • Chemicals

ETHANOL — Absolute
ETHANOL — 190° Proof, U.S.P.
Specially Denatured Alcohol
Completely Denatured Alcohol
SAF-TEX Proprietary Alcohol Solvent
SAF-TEE Super Anti-Freeze

UNITED DISTILLERS OF AMERICA, Inc.
EMPIRE STATE BLDG., NEW YORK 1, N. Y.



The least speculative source of rosins and fatty acids

AN increasing number of paint and varnish manufacturers are using Tall Oil . . . the lowest priced and most stable source of rosins and fatty acids available.

In many plants, time and research facilities are being invested to develop new formulations using Tall Oil. Manufacturers agree that this is one of the few ways to trim down rising costs.

Now, for the first time by any Tall Oil producer, the makers of Unitol are making available basic information and formulations for the application of Unitol in the coating field as their contribution toward better understanding and a wider use of Tall Oil in paints and varnishes.

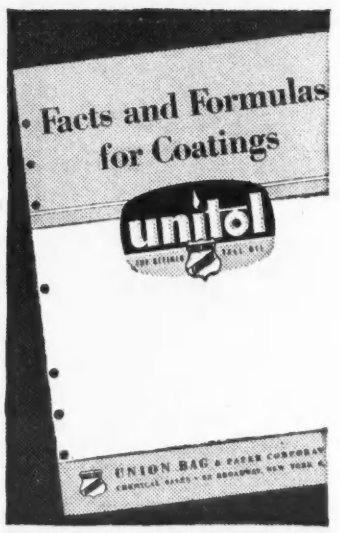
Your request on your letterhead will bring you a copy of the new Unitol brochure, "Facts and Formulas for Coatings."

* * *

When you buy refined TALL OIL specify

UNITOL

The Noncrystallizing Tall Oil with Better Drying Characteristics



unitol
THE REFINED TRADE MARK UNION TALL OIL

a Superior Tall Oil . . . product of
UNION BAG & PAPER CORPORATION
CHEMICAL SALES • Dept. B, 52 Broadway, New York 4, N.Y.

MINERAL PIGMENTS
and EXTENDERS

BLACK, BROWN, RED,
YELLOW IRON OXIDES
METALLIC BROWNS, UMBERS,
VENETIAN REDS, OCHRES

•

Chromium Oxide and Hydrate
Barytes, Clay, Whiting, Talc

C. K. WILLIAMS & CO.
Easton, Pa. East St. Louis, Ill. Emeryville, Cal.

PLYMOUTH STEARATES
ALUMINUM — ZINC — CALCIUM — MAGNESIUM
Established Qualities Manufactured for thirty years by
M. W. PARSONS, Imports & PLYMOUTH ORGANIC LABORATORIES, Inc.
59 BEEKMAN STREET, NEW YORK CITY
DISTRIBUTORS THOMPSON-HAYWARD CHEMICAL CO., KANSAS CITY, MO., AND BRANCHES

MANUFACTURERS OF
ALUMINUM POWDER
FLAKE AND GRAIN FORM FOR ALL PURPOSES
READE MANUFACTURING CO., INC.
Main Office JERSEY CITY 2, N. J. • Tel. Journal Square 2-3012 • Works LAKEHURST, N. J.

CROWN PROCESSED
FISH OILS

TESTED AND APPROVED BY QUALITY-CONSCIOUS, SERVICE-EXACTING MANUFACTURERS

Crown marine-animal oils have amply demonstrated their versatility by maximum uniformity, consistent high quality, rigid adherence to specifications and attractive prices, competitive at all times. Paint manufacturers have had gratifying success with them in a variety of applications. Investigate Crown-processed fish oils for your formulations . . . today!

TECHNICAL DATA FURNISHED ON REQUEST.

CROWN OIL PRODUCTS CORP 2-14 Forty-Ninth Ave. Long Island City, N.Y.

Carbide & Carbon Has New Oil Upgrader

Carbide & Carbon Chemicals Corporation, New York, has announced the development of a new chemical, "Dryene" oil upgrader, for the improvement of alkyd resins and the upgrading of drying oils. The material is a low molecular weight polyester which, under the conditions of a varnish or alkyd cook, undergoes ester interchange and dehydration to yield a product structurally similar to that obtained from a six carbon dienoic acid, the manufacturer states.

Finishes with greatly enhanced properties are obtained by incorporating "Dryene" in varnishes and alkyd resins, it is said. These finishes set and through-dry more quickly, they possess outstanding mar resistance, toughness and durability and excellent resistance to attack by alkalies and moisture. The improvements in properties are obtained with baking and air drying finishes alike, according to the announcement.

Hercules Shifts Hanna

Russell D. Hanna has been transferred to Hercules Powder Company's Chicago branch sales office as a member of the cellulose products plastics promotion group. He joined Hercules three years ago and worked at its experiment station in Wilmington, Del., until the latter part of 1948, after which he was transferred to the plastics laboratory at Parlin, N. J.

Tung Oil Operations

—Continued from page 4

year CCC disposed of its holdings at a loss of $375,000.

Senator Holland said that sale of the oil "contributed in destroying the market for the 1948 crop" and was "an unforgiveable act to the producers." He said that the oil is not a perishable commodity and that it was a "shortsighted policy" on the part of CCC to sell it at about the time the growers were getting ready to market their new crop. Mr. Prichard admitted that the oil could be held for a long time.

Tung Oil Can Be Stored

"It is no help to agricultural producing industries," Senator Holland declared, "to put in a temporary price support program covering one year and then as soon as that year is out of the way to begin to dump the stuff. The product is a long lasting product and when paint manufacturers or others who need it, as the Navy, for example, buy it, they do not have to use it next month. They can hold it."

Senator Young commented that since the oil is needed in wartime and since the principle source of supply (China) is going into the hands of the Communists "it seems to me that we ought to protect this industry." He urged that the committee learn from the Munitions Board the reason why tung oil is not being stockpiled in view of the current situation in China.

Senator George Aiken, of Vermont, remarked that "in fairness, it should be conceded that a substantial quantity of tung oil held in reserve would probably also have a depressing effect on the market as well as if it were sold, maybe not quite so much, and maybe more."

Sun Oil Names Wright Assistant Sales Head

The Sun Oil Company, Philadelphia, has appointed Willard W. Wright assistant general sales manager. In his new position Mr. Wright will move from Boston, where he has been regional manager for New England, to the company's general office in Philadelphia.

Richard D. Drysdale has been named to succeed Mr. Wright as New England regional manager, and John C. Weidman has been appointed to succeed Mr. Drysdale as assistant regional manager for the Middle Atlantic states.

Du Pont Plans New Paint Research Lab

E. I. du Pont de Nemours & Co., Wilmington, is planning the construction of a new $2,000,000 finishes research laboratory in Philadelphia. Building operations are to start in the near future and it is expected that they will be completed late next year.

FERRO DRIERS

•

FERRO'S FULL LINE OF DRIERS INCLUDES...

- Liquid Naphthenates
- Solid Naphthenates
- Cobalt Compounds
- Ferro Tallates
- Catalox Driers*
- Paste Driers
- Fused Resinates
- Solid Oleates
- Solid Linoleates
- Liquid Linoleates

* 2-Ethylhexoic Type

Ferro's full line of driers have continuous uniformity, exceptionally good dispersion qualities, improved stability, guaranteed metal content and unexcelled drying activity.

Write for new Ferro Data Booklet containing complete tables of physical data and prices.

FERRO CHEMICAL CORP.
BEDFORD, OHIO

RED YELLOW IRON OXIDES BROWN BLACK
C. J. OSBORN CO. 132 Nassau Street, New York 7
Established 1889

graphite

ALL GRADES - ANY QUANTITY
delivery f. o. b Rotterdam

•

Write for samples and prices

CHEMISCHE PRODUCTEN
"OLIM" N. V.
Sarphatistraat 29 - Amsterdam, Holland

Oils, Fats and Waxes

Export business in oils and fats continued to be the mainstay of this market last week. Domestic demand was limited and chiefly for immediate requirements. Price index declined to 128.7, compared with 127.5 a month ago and 223.2 at this time last year.

A good volume of business in soybean oil for export strengthened the market and advanced the price one-half cent per pound. Peanut oil also was in moderate request for shipment abroad and was steady until this demand slackened and quotations were reduced one-half cent.

Cottonseed oil also developed an easier tone and declined one-quarter cent late in the period. Corn oil remained steady and unchanged though the market closed more or less nominal.

Light stocks of coconut oil were in firm hands and asking prices were raised 1 cent per pound for May shipment from the Pacific coast. Copra was firmer and regained earlier decline of $10 per ton.

While prices of tallow and grease were without change the tone of the market was weaker as a result of the reduced inquiry for export and the slow domestic demand. Supplies were cheaper at western points, and could be delivered below prevailing prices in the East. Some business took place on this basis for soap makers account.

Tung oil continued upwards, though its pace slackened — prices only advancing one-half cent per pound last week, compared with 3 cents during the previous fortnight. Consuming inquiry was fairly active, with sellers offering sparingly. Oiticica oil also was firmer and up about one-quarter cent. Linseed oil was inactive, with offers of resale oil materially smaller than heretofore.

Animal oils were without change except neatsfoot oil which was cut 4 cents per pound, due to the lower cost of neatsfoot stock. Grease and tallow oils were quiet, but unchanged. Fatty acids were in good demand for export and were firm.

Shortening prices were reduced 2 cents per pound and also soap 4 percent by manufacturers last week, reflecting the lower cost of fats and oils.

Market Trends

Prices Advanced

Carnauba wax, chalky, 2c. per lb.
yellow, 4c. per lb.
Coconut oil, 1c. per lb.
Degras, neutral, 3c. per lb.
Oiticica oil, ¼c. per lb.
Soybean oil, ½c. per lb.
ref. alkali, ¼c. per lb.
clarified, ¼c. per lb.
Tung oil, ½c. per lb.

Prices Reduced

Neatsfoot oil, 4c. per lb.
Peanut oil, ½c. per lb.

Comparative Price Indexes

(100=August 1, 1914)

Last week	Prev. week	Last month	Last year
128.7	130.2	127.5	223.2

(For Current Prices see Page 9)

Cottonseed Oil

Market for bleachable cottonseed oil futures was irregular and unsteady last week. Selling pressure caused prices to decline, which was partially checked by the lifting of hedges. Tenders of May oil which were not taken up brought out liquidation in this delivery. Slow consuming demand for refined oil and lard, combined with lower crude oil, also were depressing factors.

Crude cottonseed oil was steady early in the period, with light sales noted at 11¾c. per pound tankcars, f.o.b. Southeast and Valley and 11½c., Texas. Market became easier with refined oil and quotations declined one quarter cent per pound.

Prices of refined bleachable prime summer yellow cottonseed oil in tankcars on the N. Y. Produce Exchange for the week ended May 6 follow:—

	Sales	Cents per pound High	Low	Close
May	203	14.00	13.48	13.64S
July	674	14.02	13.55	13.78S
September	79	13.45	13.17	13.41
October	19	13.05	12.80	13.05@13.15
December	1	12.50	12.50	12.40—12.60
January	...	...	....	12.40N
March				12.40N

Total sales—976 tankcars, including switches.

Memphas.—Crude cottonseed oil sold at 11½c per pound, tankcars, and crude soybean oil at 10½c., same basis. Cottonseed meal quoted at $56 per ton, Memphis. Cottonseed cake, $52 per ton, Valley. Demand for cottonseed hulls slow, prices ranged from $1.50 to $2 per ton, bulk.

Linseed Oil

Activity in this market was confined to the withdrawal of oil against contracts. Market was steady and unchanged. Consumers showed practically no interest in replacements at prevailing quotations. Offers of resale raw oil have dwindled, with an occasional lot available at concessions. Recent sales took place at about 27c. per pound, tankcars.

PMA reported the purchase of 295 tankcars of raw linseed oil at 26.7c. to 27c. per pound, f.o.b. mills, April 22.

Minneapolis.—There was a slight revival in oil buying interest during the week as re-sale oil virtually disappeared from the market and consumers had to come to the crushers for minimum supplies. Purchases were strictly of a fillin nature and prices were at 27c. per pound, in tanks, zone 1. Crushers, like the consumers, were not anxious to carry long stocks of linseed oil because of the anticipated price adjustment after June 30 and the market was not well supplied. Crushing operations continued at a high rate with the great bulk of supplies moving to CCC for storage. However, there was an increase in shipping orders and more oil moved to consumers as compared with recent weeks.

Shipments of linseed oil, in pounds, were as follows:—

	1948-49	1947-48
This week	7,800,000	9,480,000
Since Sept. 1	202,378,200	258,114,000

Flaxseed—Trading was dull and featureless and confined to an occasional carlot for immediate delivery.

Minneapolis.—Flaxseed buying was at a standstill in the local cash market with only one or two cars a day arriving and being absorbed under old arrive purchases. Crushers turned nearly 100,000 bushels of seed over to CCC on April 30 and it is expected that further CCC purchases will be reported as soon as the bookkeeping catches up with the market. It was reported that one large crusher had purchased 1,000,000 bushels of CCC flaxseed at $6.35 and sold the oil therefrom to the CCC at a price equal to around 29c., zone 1. One other contract of like nature was said to be in final negotiation and other crushers are reported to be dickering to turn the CCC flaxseed holdings into linseed oil and thereby save storage space for the government agency. The meal market has felt the affect of the larger offerings and prices weakened materially in the past fortnight. Despite a government program to curtail flaxseed acreage the prospective planting will reach better than 4,000,000 acres, according to experts who have been in the field over the past few weeks.

Shipments of flaxseed, in bushels, were as follows:—

Bushels—	Receipts 1948-49	Receipts 1947-48	Shipments 1948-49	Shipments 1947-48
This week	20,400	221,000	60,200	90,100
Since Sept. 1	27,513,600	19,220,000	5,533,700	3,367,000

Other Vegetable Oils

Castor Dehydrated — Consuming demand continued restricted to prompt delivery. Market was steady and unchanged at former quotations.

Coconut—Market was boosted 1c. per pound late in the week as shorts endeavored to cover requirements. Stocks also were scarce. Crude oil was advanced to 16c. per pound, tankcars, f.o.b. Pacific coast, for immediate and May shipment, following sales at 15c. June was raised to 14¼c., and July was quoted at 13½c., same basis.

Corn—Light trading was reported at $185 per short ton, c.i.f. Pacific coast, regaining earlier loss of $10. Offers for shipment were reported limited.

Corn — This market remained steady. Moderate trading was noted in crude at 12c. per pound, tankcars, f.o.b. mill. Refined oil was held at 14¾c. per pound, same basis.

Oiticica — Higher cost of tung oil strengthened the market and prices were lifted about ¼c. per pound. Trading was light and spotty. Liquid was quoted at 16¼c. to 17¼c. per pound, drums, spot, depending upon seller. Solid was 1c. per pound less.

Olive—This continued easy and prices it was intimated could be shaded for sizable quantities. Spanish oil was quoted at $4 per gallon, drums, duty paid on spot and Moroccan at $3.80 to $3.90.

Peanut — Slackening of export inquiry unsettled the market and quotations declined about ½c. per pound for the week. Crude oil was sold at 13¼c. per pound, tankcars, f.o.b. mills in the Soltheast and Texas and later was available at 13c., Southeast. The government released peanuts to make about 60 tankcars of oil last week. Refined oil was more or less nominal at 16½c. per pound, tankcars, New York delivery.

Soybean—Export demand stiffened this market and prices were up about ½c. per pound for the week. Crude oil was held at 11c. per pound, tankcars, f.o.b. mills for immediate shipment. Trading took place at 10⅞c. per pound, tankcars, f.o.b. mills, for May shipment; at 10¾c. for June and 10½c., July. Refined edible oil

For Late Market Developments, See Page 4

TALLOW FATTY ACIDS GLYCERINE STEARIC ACID
STEARIC ACID
DISTILLED
Triple, Double and Single Pressed
Available in Cake, Flake or Powder
Highest Quality
A. GROSS & CO.
295 MADISON AVE. NEW YORK 17, N. Y.
RED OIL WHITE OLEINE USP

Wm. Diehl & Co.
CARNAUBA and CANDELILLA
High M. P. Substitute
BEES & JAPAN WAX
SHELLAC Orange Bleached
332 W. 42nd St., New York 18, N. Y.
Phone: BRyant 9-5211

E. A. BROMUND COMPANY
Beeswax
Carnauba Wax
Ceresine Wax
Ouricury Wax
258 BROADWAY, New York 7, N. Y.
BArclay 7-844- Est. 1880

DISTILLED FATTY ACIDS ANIMAL AND VEGETABLE
STEARIC ACID
OLEIC ACID (RED OIL)
WILSON-MARTIN DIV.
WILSON & CO. INC.
SNYDER AND SWANSON ST.
PHILADELPHIA, PA.

Emery STEARIC, OLEIC, FATTY ACIDS
Processed Under Strict Control
TO MEET SPECIFICATIONS ACCURATELY
ALL GRADES
Animal, Vegetable, Hydrogenated Fish Oil Fatty Acids,
Lard Oil, Glycerine, Pitch, Special Fatty Acid Derivatives,
Twitchell Reagents and Twitchell Oils
EMERY INDUSTRIES, INC.
4300 CAREW TOWER • CINCINNATI 2, OHIO
3002 Woolworth Bldg. NEW YORK 7, N. Y. • 187 Perry St. LOWELL, MASS. • 401 N. Broad PHILADELPHIA 8, PA.

RED OIL STEARIC ACID
Saponified — Distilled
HYDROGENATED FATTY ACIDS
(HYDREX)
Cottonseed Oil Fatty Acids
Tallow Fatty Acids
Corn Oil Fatty Acids
Specialty Fatty Acid
GLYCERINE
PITCH
WHITE OLEINE
41 EAST 42nd ST., NEW YORK 17
HARDESTY PRODUCTS ARE INDUSTRY'S KEYSTONE
W. C. Hardesty Company
FACTORIES: BOVER, OHIO LOS ANGELES, CALIF. • TORONTO, CAN.

GEORGE A. MIEL CO., INC.
Custom Wax Blending
Drumming Bleaching WAXES Barrelling Refining
P. O. Box 263, Foot of Page Ave., Lyndhurst, N. J.
RUtherford 2-7935

PROCESSED AND SULFONATED OILS,
FISH OILS, TALL OILS, WAXES
ARTHUR C. TRASK COMPANY CHICAGO 1, BOSTON 3

SULPHONATED CASTOR OIL
(Turkey Red Oil)
APEX CHEMICAL CO., INC.
Manufacturers Since 1900
225 WEST 34th STREET NEW YORK 1, N. Y.

PALM SOAP
Bags — Drums — Cars
Write for Quotations and sample
Manufactured by
GENERAL BIOCHEMICALS, INC.
53 Laboratory Park Chagrin Falls, Ohio

CONCORD #159 WAX
Replaces Carnauba or Candelilla Wax
- uniform consistency
- melting point same as Carnauba; higher than Candelilla
- available NOW from spot stocks

Concord #159 has physical and chemical characteristics which compare favorably with refined Carnauba Wax and which are vastly superior to Candelilla for most purposes. It has a melting point of 84°C. Concord #159 is well suited for waxes of all kinds and especially desirable in wax finishes for leather.

IT WILL PAY YOU TO INVESTIGATE CONCORD #159
WRITE TODAY FOR SAMPLES

CONCORD CHEMICAL COMPANY
PUBLIC LEDGER BUILDING INDEPENDENCE SQUARE
PHILADELPHIA 6, PA. WAlnut 2-5110

CRESYLIC ACID • JAPAN WAX REPLACEMENT
CARNAUBA WAX REPLACEMENT • FATTY ACIDS-DISTILLED
CANDELILLA WAX • REFINED TALL OIL

was higher at 14c. per pound, tankcars, New York basis. Refined alkali and clarified were lifted ¼c. to 13.60c. and 12.40c. per pound, tankcars, New York, respectively.

World soybean production reached an all time high of approximately 593,000,000 bushels in 1948, according to the Office of Agricultural Relations, compared with the output of 538,000,000 bushels in 1947. Canada and the United States harvested record crops and China, now second in soybean production, had the largest crop in more than a decade.

Tung—Prices continued to advance and were lifted ½c. per pound. Consuming inquiry was fairly active. Light offers restricted business. Moderate sales were reported at 20½c. per pound, tankcars, New York basis. Domestic oil sold at 19½c. tankcars, f.o.b. southern mills and 20c. was generally asked. Production in the South has about ceased for the season. Drums were increased to 22c. per pound, carlots and smaller lots at 22½c., New York basis. Arrivals totaled 220 tons at New York and 500 tons at San Francisco last week.

Fats and Greases

World production of tallow and grease in 1948 is estimated at 2,050,700 tons, and was about the same as in 1947 according to the Office of Foreign Agricultural Relations. This total includes edible and inedible tallow, oleo stock and derived products such as oleo stearin and oleo oil. Tallow and grease production in the United States in 1948 totaled about 1,000,000 short tons, of which about one third consisted of grease. The output for the rest of the world in 1948 totaled approximately the same figure. Production of edible and inedible tallow in Canada in 1948 was estimated at 43,803 tons, against 40,517 tons in 1947, an increase of 8 percent.

Greases—With the slackening of export inquiry and no improvement in domestic demand, the market developed an easier tone. Cheaper grease at western points also depressed the market. Quotations were unchanged and merely nominal for all grades.

Lard—Trading was light and the market was unsettled last week. Prices were easy and more or less nominal. Cash lard was quoted at 11½c. per pound, loose, Chicago. Lard stocks in Chicago were reduced during April, and totaled 83,892,379 pounds, April 30, compared with 95,508,330 pounds, April 1 and 65,944,707 pounds, April 30 last year.

Tallow—This market was easier and reflected the reduced demand for export. Domestic business showed no improvement and was inactive. Lower prices at western points enabled buyers to bring supplies here below prevailing costs in the eastern market. Quotations were unchanged and more or less nominal for all grades.

Animal Oils

Degras—Tight supply conditions in crude and refined grades have further stiffened this market. Neutral grades were advanced about 3c. per pound. Less 2 percent acid was quoted at 21c. to 22c. per pound, barrels, spot and over 2 percent 20c. to 21c. Common was scarce and ranged from 10½c. to 13c. per pound, barrels, depending upon quality.

Grease Oils—Prices were unchanged and steady with the higher cost of pressing stock. Demand was routine.

Oleo Oil—Market remained steady. Extra was held at 12½c. per pound, tierces, New York basis.

Oleo Stearine—Business was light. Market was steady at 10c. per pound, New York delivery.

Fish Oils

Crude Fish Oils—With consumer showing practically no interest, the market was merely nominal. Producers were not offering new crop preferring to await further developments.

Refined Fish Oils—Business was inactive and quotations were easy and could have shaded for sizeable quantities.

Fatty Acids

Red Oil—Consuming demand was reported moderate, while export inquiry continued active. Prices were unchanged and well held.

Stearic Acid—Trading for export was of good volume and inquiry from abroad continued active. Domestic business was reported fair, chiefly for prompt delivery. All grades were quotably unchanged and steady.

Cake and Meal

Cottonseed Meal—Export inquiry was fairly active during the last week. Cake traded at $51 per ton basis Valley points for May/June shipment with offerings very light at the present time. Sacked cottonseed meal 41 percent was offered at $56 per ton basis Memphis and Valley points for April shipment; north Alabama, $57; Georgia, $59 to $60; Carolinas, $62. Cottonseed meal 36 percent was $5 per ton less.

Linseed Meal—Prices were lower. Demand was limited to immediate delivery.

Minneapolis.—Demand for meal was slow and prices slipped to $55 per ton, bulk, on new process 36 percent meal and $56.50 on old process 34 percent. Crushers reported difficulty in making sales in forward positions and a fair demand for spot supplies. Outlook for heavy production of meal under the CCC flaxseed oil plan discouraged some buyers and those who had a little stock put away for May-June were anxiously trying to merchandise stocks before a price break.

Shipments of linseed meal, in pounds, were as follows:—

	1948-49	1947-48
This week	12,180,000	12,720,000
Since Sept. 1	177,460,000	160,310,000

Peanut Meal—Exporters bought up about 3,000 tons of peanut meal which took most surplus from the mills. Meal 45 percent was offered at $58 per ton sacked with $5.00 less for 41 percent old process. New process 45 percent meal was sold at $55 basis south Alabama with

CHEMICALS WANTED
We purchase surplus stocks of chemicals, pharmaceuticals, waxes, solvents, pigments, dyes, by-products, and war surplus of all kinds.
UNIVERSAL WESTERN CHEMICAL CORP.
957 S. Los Angeles Street
Los Angeles, California
Phone: TUcker 1426

For Domestic and Export
COTTONSEED MEAL AND CAKE
PEANUT MEAL-SOYABEAN MEAL
Export Codes: ABC 5th, BENTLEY'S JUNIOR PEERLESS
Cable Address: BRODE
Phone: L.D. 271
THE BRODÉ CORPORATION
P.O. Box 700 1012 Falls Building
MEMPHIS, TENNESSEE

BEESWAX
U.S.P. YELLOW REFINED
U.S.P. WHITE SUNBLEACHED
THE F. B. KOSTER WAX REFINING CO.
GUILFORD Phone 999 CONN.

NON-DESTEARINATED COD LIVER OIL
NORWEGIAN SHARK LIVER OIL
and SEAL OIL
All Kinds — All Grades
arista oil products co.
135 Front Street, New York 5, N. Y.

41 percent $5 less, all for May shipment. Each week the government releases small tonnages of peanuts to keep the supply ample. Demand has been fairly good with some feed manufacturers turning to the use of peanut meal since supplies of soybean meal are tight for May shipment.

Soybean Meal—Most supplies of southeastern soybean meal are about exhausted with very few offerings. Meal 41 percent bulk was quoted at $61 per ton basis Decatur for May shipment, but very few cars are available. Demand for soybean meal was good.

Waxes

Candellila—Trading was slow. Supplies were liberal. Quotations were unchanged at the recent decline. Non union crude was quoted at 42c. and Union at 45c. per pound, on spot.

Carnauba — This market remained steady, though business was light and spasmodic. Stocks on the spot were closely held. Improved demand for yellow No. 1 advanced quotations and sales were reported at $1.07 per pound, with sellers asking up to $1.10. Chalky also was firmer, and held at 70c. to 71c. per pound; No. 3, North country was quoted at 77c. to 79c. and refined 82c. to 83c. per pound. Brazilian market was firm. Trading for shipment was in abeyance as importers awaited official confirmation of the signing of the finance bill by the President of Brazil extending floor prices for the 1948-49 and 1949-50 crop. Brazil's exports of carnauba wax in the third quarter of 1948 totaled 1,923 metric tons, valued at $2,853,200, according to statistics of the Ministry of Finance. The United States purchased 1,502 tons, worth $2,217,700.

Ouricury—Refined wax was quoted at 77c. to 78c. per pound, spot delivery. Crude was scarce and merely nominal.

ECA Reports Chemical

—Continued from page 3

$49,400,000 for hides, skins and leather, $32,300,000 for nonmetallic minerals, and $10,800,000 for naval stores.

France was the largest receiver of Marshall plan dollars for purchase of chemicals and related products—$32,200,000. The United Kingdom was next with $29,300,000, Netherlands $15,200,000, Italy $12,000,000, Belgium-Luxemburg $10,600,000, Austria $7,400,000, Bizone Germany $6,900,000 ,Greece $4,700,000, Sweden $2,100,000, French zone Germany $1,100,000 and the remaining countries less than $1,000,000.

ECA Announces Additional

—Continued from page 3

products, all from the United States; $493,000 for crude oil and petroleum products from Latin America, and $488,000 for the same from the Middle East.

To Bizone Germany—$80,000 for essential oils from the United States.

To Denmark—$336,000 for crude oil and petroleum products from the United States.

To France—$382,000 for zinc and $2,142,000 for medicinal and pharmaceutical preparations from the United States.

To French North Africa—$180,000 for crude oil and petroleum products from Venezuela.

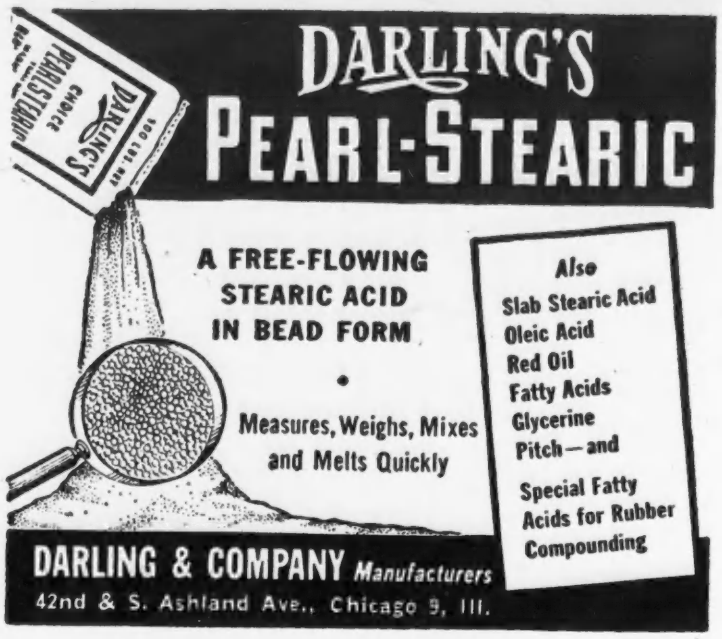
To Greece—$1,000,000 for crude oil and petroleum products from Saudi Arabia, and a decrease of $80,000 for oilcake and meal from the United States.

To Italy—$1,000,000 for medicinal and pharmaceutical preparations and $88,000 for copper from the United States.

To Netherlands — $210,000 for nonmetallic minerals except petroleum, $1,726,000 for chemicals and chemical preparations excluding fertilizers and synthetic rubber, $50,000 for medicinal and pharmaceutical preparations, and $365,000 for leather and leather products except for footwear from the United States; $50,000 for chemicals and chemical preparations excluding fertilizers and synthetic rubber and $85,000 for nonmetallic minerals except petroleum from Canada, and $15,000 for essential oils except citrus or peppermint oil from Latin America.

To Norway—$1,587,000 for crude oil and petroleum products from Latin America.

To United Kingdom—$480,000 for alcohol, $150,000 for fertilizers and materials, $200,000 for chemicals and chemical preparations excluding fertilizers and synthetic rubber, and $300,000 for nonmetallic minerals except petroleum, all from the United States; $400,000 for industrial chemicals other than alcohol and $800,000 for nonmetallic minerals except petroleum from Canada; and $660,000 for hides and skins from Latin America.



AKUSAKA WAX
replacement for Japan Wax

CORUMBU WAX
replacement for Carnauba Wax

T. G. COOPER & COMPANY, INC.
2400 East Venango St. Philadelphia 34, Pa.

WAXES FOR PROTECTIVE COATINGS
HIGH M. P. HARD WAXES
CARNAUBAS AND SUBSTITUTES
JAPWAX SUBSTITUTES INSULATING WAXES
MICRO-CRYSTALLINE WAXES
BEESWAXES AND SUBSTITUTES
ALLIED ASPHALT & MINERAL CORP.
217 Broadway NEW YORK 7, N. Y.
Factories Brooklyn—Bayonne—Dunellen
AGENTS IN ALL PRINCIPAL CITIES in U. S. A. and Canada
REctor 2-2953-4-5
WAX AND OIL DIVISION
AMORPHOUS MINERAL WAXES
WAXES PREPARED TO INDIVIDUAL SPECIFICATIONS
LAMINATING WAXES: DIPPING WAXES
OZOKERITES AND CERESINES
MONTAN SUBSTITUTES

For Good EQUIPMENT
FMC — FIRST,
LAST and ALWAYS

35 Truck and Tray Dryers
Heavy Duty Jktd. Mixers
Rotary and Vac. Drum Dryers
Devine Vac. Shelf Dryers

40 Filter Presses, Wood, Bronze, Iron, S.S.; Sizes from 4" to 42" Shriver, Sperry, others; Sweetland Filters No. 2, 5, 7, 10, 12

NOW in STOCK:
STAINLESS Tanks, Kettles, Vac. Pans; All Sizes
2500 Gal. Pfaudler Gl. Lined Agtd. Vac. Pan

10 Rotex and Roball Sifters up to 40"x120"
24 Grinders-Hammer Mills, 3 H.P. to 150 H.P.
Fitzpatrick-Mikro, etc.

12 Centrifugal Extractors
30 Tablet Presses
22 Evaporators
Stills, Reactors, Pans
Autoclaves

F M C Nobody BUT Nobody Pays MORE for Your Surplus Equipment

FIRST MACHINERY CORP.
157 Hudson Street,
New York 13, N. Y.

"BUY BRILL"
Buy the BEST

2—Tolhurst 40" Suspended, Monel Perforated Baskets, motor driven Centrifugals.
3—AT&M, Bird, 48" stainless steel Suspended Centrifugals, motor driven.
1—Bird 18" x 28" Continuous, Monel Centrifugal.
2—Sharples #16V S.S. Centrifuges.
3—No. 2, No. 7 Sweetland Filters.
2—Glascote 1,000, 500 gal. New, glass-lined, jacketed, agitated Reaction Kettles.
2—Pfaudler 75, 100 gal. glass-lined, jacketed, agitated Kettles.
3—Pfaudler 300 gal. glass-lined Tanks.
25—S.S. Kettles, Tanks, 50 to 500 gal.
4—Dopp 250, 150 gal. Jacketed Kettles.
12—Ross Engineering 2-Truck Atmospheric Steam Heated Dryers, 500 sq. ft. each.
5—Abbe 6' x 8', 5' x 4', 4' x 5' porcelain-lined Pebble Mills, motor driven.
1—Patterson 3' x 4' Steel Ball Mill.
3—18H, 2TH, 2DH Mikro Pulverizers.
1—Jeffrey 30" x 24" Type A Hammer Mill.
1—Jay Bee 2UX Hammer Mill, 30 HP.
8—Rotex, Day, Robinson Screens, 20" x 48", 20" x 81", 40" x 120".
2—Vacuum Shelf Dryers with 20—42" x 42" and 13—59" x 78" shelves.
1—Baker Perkins 100 gal. stainless steel Double Arm, Jacketed Mixer.
1—Baker Perkins 4½ gal. Vacuum Mixer.
4—Baker Perkins Lab. 1 and 2 gal. Mixers.
5—Shriver, Sperry 30", 24", 12" cast iron plate and frame Filter Presses.
8—Sperry 30", 24" cast iron recessed Filter Presses, 30 chambers.
1—Sperry 36" x 36" wood plate and frame Filter Press, 28 chambers.
8—Sperry 42" x 42" aluminum plate and frame Filter Presses, closed delivery.
16—Powder Mixers, 100 to 4,000 lbs.
8—Day 100 and 80 gal. Lead Mixers.

COMPLETE LISTS — QUOTATIONS SENT ON REQUEST

BRILL EQUIPMENT COMPANY
2401-THIRD AVE.
NEW YORK 51, N. Y.
TELEPHONE CYPRESS 2-5703

FOR SALE
PROCESSING EQUIPMENT

3—Mikro Pulverizers. #4, #1, Bantam.
2—Day & Abbe Double Jar Mills.
2—Abbe Pebble Mills, 6' x 8'.
1—Allis Chalmers Continuous Ball Mill, steel liner, 8' x 7', 250 HP motor, complete.
3—Shriver 24" Cast Iron P&F Filter Presses, open dely, 54 chambers.
1—Swenson Precoat Rotary Vacuum Filter, 8' x 8', acid proof, lead & rubber.
1—Sweetland No. 10 Filter, C.I. Body, bronze leaves. 500 sq. ft.
1—Aluminum Kettle with coils, jacket and agitator, closed, 1,000 gal.
1—Dopp 300 gal. cast iron jacketed and agitated Kettle.
30—Stainless and Stainless Clad Kettles, 30 gal. to 500 gal., 40# and 100#, jkt. pr.
40—Stainless Steel open top Tanks, 30 gal. to 500 gal., with some side mixers.
7—Lead & Paste Mixers, 80 gal.
2—Ross 3-Roll Mills.
4—Double Arm Jktd. Mixers; B-P 15 gal. vac.; Day 25 gal.; W&P 100 gal.; Read 250 gal.

PACKAGING EQUIPMENT

6—Automatic Vacuum Fillers, 12 spout, stainless steel.
4—Semi-Auto. Vacuum Fillers, 8 spout, stainless, bronze.
3—Syphon Fillers, 8 spout, stainless, bronze.
4—Semi-Auto. Powder Fillers, auger type.
2—Automatic Powder Fillers, auger type.

AUTOMATIC LINE FOR FILLING POWDER INTO CARTONS — 60 per min.

4—Resina Automatic Cappers.
3—CC&S Jumbo 7-head Auto. Crowners.
12—Portable Cap Tightenors, Elec. op.
3—Kiefer Auto. Bottle Rinsers, 72 spout.
2—U. S. Auto. Bottle Rinsers, 60 spout.
1—Pneumatic Scale Auto. 6-wide Air Cleaner for Bottles.
3—Ermold Auto. 6-wide Labelers.
3—Auto. Duplex Labelers, Front & Back.
1—Auto. Rotary Duplex Labeler.
6—Auto. Rotary Simplex Labelers.
4—Auto. Wrap Around Labelers.
6—Semi Auto. Spot Labelers.
1—Standard Knapp Top & Bottom Case Gluer and compression unit.
1—Packomatic Auto. Top Gluer.
4—Acme Elec. op. Case Stitchers.

WRITE FOR COMPLETE STOCK LIST

WE BUY SURPLUS EQUIPMENT & COMPLETE PLANTS

PERRY EQUIPMENT CORP.
1507 W. THOMPSON STREET • PHILA 21, PA.
Cable Address: "PERI" Phone: STevenson 4-1515

TO SAVE
REAL MONEY
ON PROCESS EQUIPMENT
Come Here!

335 Doremus Ave., Newark 3, N. J. Rebuilding Shops and Warehouse

"Consolidated"

NEWARK SHOPS

Where large and small machines are dismantled, rebuilt, tested by experienced mechanics

SPECIAL ITEMS

1—UNUSED triple effect GOSLIN-BIRMINGHAM EVAPORATOR, stainless steel shells and tubes, 850 sq. ft. per effect.
6—9'6" dia. x 18'6" long stainless steel lined, steam jacketed CRYSTALLIZERS, each with 4" s/s agitator soil, worm gear drive.
4—UNUSED Bird high speed CENTRIFUGALS, suspended type, each with 40" x 24" deep s/s basket, s/s casing and curb, each with direct connected 1800/900 RPM. 3/60/440 volt direct connected tefc motor.
2—UNUSED 10'6" x 16' FEINC FILTERS, wood, type 316, stainless steel and silicon bronze construction.
2—UNUSED 8' x 10' OLIVER PRECOAT ROTARY CONTINUOUS VACUUM FILTERS, all silicon bronze construction, each with bronze drum, valve, trough and piping.
1—LOUISVILLE ROTARY STEAM TUBE DRYER, 6' x 50'.
1—ROTARY VACUUM DRYER, 5' x 33'
3—7500 gal. STEEL KETTLES, with copper coils, closed. Agitated. 10' dia. x 12'6" deep, 15' overall height.
1—2000 gal. STEEL KETTLE, jacketed, open top. Agitated. 7' dia. x 7'6" deep.
1—No. 12 SWEETLAND FILTER, 4" centers, iron or copper leaves
2—BAKER PERKINS MIXERS, size 17. Jacketed, 200 gallon
3—18" x 50" RUBBER MILLS, with motor and drive.
1—KILBY 39" x 39" cast iron FILTER PRESS, washing type, plate and frame, 47 chambers
3—36" x 36" SPERRY 60-plate FILTER PRESSES, cast iron, recessed, center feed, open delivery, hydraulic closing, including hydraulic pumps.

THE KEY TO SAVING TIME AND MONEY
CONSOLIDATED PRODUCTS COMPANY, INC.
13-18 PARK ROW, NEW YORK 7, N. Y.—Tel. BArclay 7-0600
Shops: 335 Doremus Ave., Newark, N. J. Cable Address: Equipment, N. Y.

WANTED—YOUR IDLE MACHINES—SEND LIST NOW

PROCESS EQUIPMENT FOR SALE

Inventory Reduction

1—CECO Automatic Carton Sealer Motor Driven
1—Charlotte Stainless Steel Laboratory Colloid Mill with 1 H.P. A.C. Motor
1—Paul O. Abbe 3 gallon Pebble Mill
3—New 65 gallon C.I. Jacketed DOPP Kettles
1—28½" Dia. x 24" Deep Mixing Kettle with side entrance Agitator
1—4 gallon C.I. Jacketed Kettle with cover
1—J. H. Day "Imperial" 75 gallon jacketed Sigma Blade Tilting Mixer
3—12" x 30" Lehman Five Roller Water Cooled Mills
2—24" x 48" Single Ribbon and Paddle Dry Powder Mixers
1—19½" D x 15" Deep ⅝" Thick Stainless Steel 16 gallon Kettle with Bolted on Cover
1—Day "Hercules" 6 Barrel Heavy Duty Mixer
1—Western Size 2A Shredder
1—50 Gallon Jacketed, agitated Open Top Kettle
1—Tinned Copper Jensen Coil Pasteurizer —650 gal. capacity
1—No. 1 Gruendler Hammermill with 7½ H.P. A.C. Motor
1—Karl Kiefer No. 18 Monocel Filter with 15" Monel Screen
Full line of Pumps, Tanks, Kettles and Mills of All Kinds.

Ask for list of Equipment IN STOCK.

EMSCO EQUIPMENT COMPANY
AFFILIATE OF EMIL A. SCHROTH
73 HYATT AVENUE, NEWARK 5, N. J.
PHONE MITCHELL 2-3536

FOR SALE

STEEL STORAGE TANKS

Railroad Tank Car Tanks, 6,500 to 12,000 Gal. Cap., Coiled and Non-Coiled, Cleaned-Painted - Tested, Heavier - Safer - Cheaper. Other Tanks Too.

Also—Complete Tank Cars

Your Inquiries Solicited

Newhall-Marshall-Wood, Inc.
30 Church Street, New York 7, N. Y.
Phone: COrtlandt 7-8090

We BUY and SELL

USED MACHINERY AND EQUIPMENT

Send US Your Inquiries
SINGLE ITEMS OR COMPLETE PLANTS

AARON EQUIPMENT COMPANY
1349 So. Ashland Ave. Chicago 8, Ill.

IN STOCK • PRICES CUT

2—Dopp 1,000 gal. Jack. Agit. Kettles, Dopploy Acid Resistant & Iron.
3—Baker Perkins heavy duty Jack. Mixers, 200, 100, 50, 9 & 0.7 gals.
1—Lehman 4 Roll W.C. 12"x36" Steel Mill.
1—Hardinge Conical Ball Mill, 4½'x24".
1—Denver 4'x3' Rotary Vac. Filter, Motor Driven, complete.
4—Allbright-Nell 4'x5' Atmos. Drum Dryers & Flakers.
6—Anderson No. 1 Expellers.
2—Devine No. 3 Vac. 4 Shelf Dryers.
1—Devine Vac. Shelf Dryer, 7 shelves.
1—Badger 42" dia. Monel column.
1—Buffalo Vac. Drum Dryer, 24"x26".
4—Abbe Pebble Mills, 6'x8', 60"x48", 30"x33" & 24"x36".
1—U. S. Stainless Colloid Mill, 5 HP.
16—Sperry & Shriver, 12", 18", 24", 30", 32" & 42" sq. Iron Filter Presses.
2—Sperry 18" Lead Filter Presses.
Extra 36" Iron Sperry Plates & Frames.
2—Shriver 18" Wood Filter Presses.
6—Tyler 28 Jr. Hummer Screens, 24"x60" & 20"x60" Split Screen.
1—Robinson Saw Tooth Crusher.
6—Tolhurst 40" Suspended Type Centrifugals, Bottom Discharge.
5—Lehman & Kent 3-Roll Steel Mills, 3"x9", 9"x32", 12"x30", 16"x40".
4—Stokes & Colton Rotary & Single Punch Tablet Machines, ¼" to 1½".
1—Sprout Waldron 16" Ball Bearing Attrition Mill, two 7½ HP motors.
1—Huber 25 ton Para Block Press.
11—Sharples No. 5A Stainless Oil Centrifuges, 2 HP. Also No. 6.
1—Marco Stainless Homogenizer.
Devine 500, 800 & 1,000 gal. closed steel Kettles & Stills. 250 gal. lead lined kettle.
10—Dry Powder Mixers, 50 to 2,500 lbs.
6—Pony Mixers, 2½ to 40 gals.
3—Stokes & Day Powder Fillers.
10—Stokes Vert. High Vac. Pumps.
3—Duriron 3"x2" Centrif. Pumps.
1—Sturtevant 36" Rock Emery Mill.
1—Sameo Jr. Vac. Bottle Filler.
20—Stainless, Alum., Copper & Glass-Lined Kettles & Tanks.
6—Filling, Labeling, Cartoning & Wrapping Machines. Colton Hand Fillers
15—Port. Elec. Mixers, ¼-2 HP.
8—Abbe Jar Mills, Lab. to 2 gal. sizes
2—Rotary Cutters, 5 HP motors.
8—Hammer Mills, 3 to 50 HP.
1—Stedman 32" Single Roll Crusher.
6—Centrifugals, 26", 30" & 40".
4—No. 0000 and No. 0 Raymond Mills.
6—Lead & Paste Mixers to 300 gals.
2—Worth 12"x12"x12" Vac. Pumps.
2—DeLaval Mult. Clarifiers, 300 & 361.
Soap Machinery for Toilet, Laundry, etc.

WRITE FOR BULLETIN. WE BUY YOUR SURPLUS MACHINERY.

STEIN EQUIP'T CO.
30 WEST STREET, NEW YORK 6, N. Y.

EQUIPMENT FOR CHEMICAL AND ALLIED INDUSTRIES

1—Bird Centrifuge, 40", Stainless Steel, Suspended, perforated basket, with motor.

1—Aluminum Tank, 9'9" inside dia., 19'1½" overall.
1—Oliver Filter, 8' x 12'.
1—Pfaudler 10 gallon glass-lined Still (complete).
1—Shriver 42" x 42" Filter Press, 46 chambers, hydraulic closing device.
1—Shriver 36" x 36" Filter Press, rubber covered, 30 chambers.
1—Shriver 36" x 36" C.I. Plate & Frame Filter Press, closed delivery.
1—Sperry Enamel-lined Filter Press, 18" x 18", 12 chambers, closed delivery.
1—Tolhurst 30" Centrifuge, center slung, rubber-lined basket.

R. GELB & SONS, INC.
Est. 1886 UNionville 2-4900
UNION, N. J.

MEC FOR SALE MEC

1—Stainless Steel Closed Storage Tank, 10' 6" x 20' 13,000 gals.
1—New Alum. Tank 10,000 gallons.
20—New Hubbert 100 gal. Stainless Clad Jacketed Kettles.
1—Glasscote 1,000 gal. Glass Lined Reactor.
1—Glasscote 250 gal. Closed Glass Lined Jacketed Kettle.
1—Pfaudler 1,500 gal. Glass Lined Vac. Receiver.
1—Stokes 30" x 8' Rotary Vacuum Dryer.
1—Ruggles Coles Rotary Steam Tube Dryer 4' x 20'.
5—Stainless Steel 40" & 48" Sus. Centrifuges.
3—Fitzpatrick Model D Comminuting Mach. S. S. Parts 5 H.P. X.P. Motors.
1—Charlotte Stainless Steel Colloid Mill, 20 H.P., 100-300 gals. hr.
2—Abbe 6' x 8' Buhrstone-Lined Mills.
4—Day & Ross 20 & 40 gal. Pony Mixers.
10—Horiz. Spiral Mixers, 25 lb. to 3,500 lb.
4—Vac. Shelf Dryers, Lab. to 20 Shelf.
2—Oliver 8' x 12' Continuous Filters.

Send for Bulletin A-22 for Complete Listings

THE MACHINERY & EQUIPMENT CORP.
533 WEST BROADWAY
New York 12, N. Y. GR 5-6680

PHARMACEUTICAL PLANT

Fully Equipped

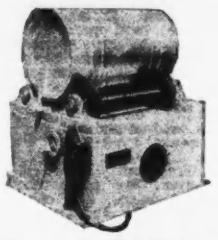
All explosion proof installation. Complete laboratory and instruments. Main building concrete 50x150, with approximately 7 acres of land, serviced by Jersey Central R. R. and all main highway truck lines.

EXCELLENT LABOR
Located in Central N. J.
Priced very cheap for Quick Sale
Write Box 7743; 217 7th Ave., N. Y.

Pebble Mills—18x24", 36x36" 36x42" 54x60", 72x60"
3' x 3' Hardinge Ball Mill, 2-450 gal. silex lined.
2 Amer. Exhausters size 400E
2-Spencer Turbo Blowers 400 CFM, 16 oz.
54" x 30' Rotary Dryer. 54" x 30' Indirect heat.
26", 40", 48" Tolhurst Centrifuges.
No. 3 Mikro Pulverizers. New Megavac High Vac. Pump.
18" Filter Press, 3 Eye P.&F. closed delivery.
800 lb. Sifter and Mixer.
2 Fisher Electro Analyzers.

Send for Stock List

LAWLER COMPANY
Durham Ave. & L.V.R.R. Metuchen, N. J.



DRUM ROLLER

JUST WHAT YOU HAVE WAITED FOR

Adjustable from 2 to 50 gal. drums.

Equipped with 1/2 H.P. single phase motor with Reeves Drive to regulate speed, push button starter, cord & plug.

H. LOEB & SON :-: 4643 LANCASTER AVE. PHILADELPHIA 31, PA.

FOR SALE

5—9" x 24" motor driven roller mills.
1—16 x 40 roller mill.
3—12 x 30 roller mills.
PONY MIXERS from 2½ gallons to 40 gallons.
2—4 6" x 5' burr stone-lined pebble mills.
1—Paterson 6' x 5' watercooled steel ball mill.
10—New portable tanks on wheels, size 36 x 36, for change can mixers.

Specializing in Rebuilt Machinery

IRVING BARCAN COMPANY
249 Orient Ave., Jersey City 5, N. J.
DElaware 3-2336

GET MORE FOR YOUR SURPLUS EQUIPMENT

List it with our bureau and Sell Directly to the next user.

50,000 Manufacturers Get Our Offerings Regularly

They need such units as FILTER PRESSES - EVAPORATORS STILLS - MIXERS - DRYERS or what have you to sell.

For Quicker Action and Better Price Send Full Details and YOUR Price to

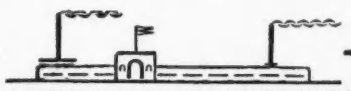
EQUIPMENT FINDERS BUREAU
6 Hubert Street New York 13, N. Y.

Call for Fulton!

for SAFEKEEPING of your PRODUCT

Use famous Fulton WPPL* Textile bags and Fulton Multiwall paper bags.
*Protect against dampness, sifting, evaporation, dissemination or absorption of odors.

Fulton BAG & COTTON MILLS
Atlanta • St. Louis • Dallas
Kansas City (Kans.) • Los Angeles • Denver • New Orleans • Minneapolis
New York



ALLIED STEEL & EQUIPMENT CO.

Dept. F, Chester, New Jersey

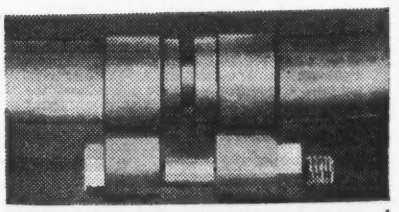
Offers Equipment for Your Plant

TANKS AND VESSELS

Jacketed • glass lined • stainless • pressure
MIXING EQUIPMENT • REACTORS
CRUSHERS • STILLS • FILTER PRESSES

DRUM PARTS SYSTEM

features Simple, Faster Closing Locking Ring!



A simple, basically proven locking ring that will save you time, trouble and leaky drums. Simple because it differs in only one important respect from the commonly used ring—that important difference is the simple, neat and inexpensive method of attaching the nut to the lug.

Basically proven because the idea embodied is identical with that used for bolted rings on ICC-17H drums. No loose nuts to fumble with. Perfectly engineered in every detail. And with DRUM PARTS Combination Closing Tool and Wrench your drums can be closed and sealed in a small fraction of the time required with other types of rings.

Write for complete details and specifications on DRUM PARTS SYSTEM.

DRUM PARTS, INC.
10311 MEECH AVE. CLEVELAND, OHIO

FOR SALE

Steel Storage Tanks

6—8,000 gallon, Coiled or Non-Coiled TANK CAR TANKS.
14—10,000 gallon, Coiled TANK CAR TANKS.

Available at Once!

IRON & STEEL PRODUCTS, INC.
"Founded 1930"
13454 S. Brainard Ave., Chicago 33, Ill.
"ANYTHING containing IRON or STEEL"

Outstanding Equipment

AVAILABLE IMMEDIATELY

2—500 gallons W & P Mixers, M.D.
1—NEW 250 gallon s/s Reactor.
1—1 gallon Lab. Size W & P Mixer, M.D.
1—NEW s/s 60 square feet condenser.
6—Abbe 30" x 30" Pebble Mills, 2 jktd.
1—Abbe 75 gallon Ball Mill, jacket and complete with charge of balls.

HALF THE NEW COST
LOUISVILLE STEAM TUBULAR DRYER—72" x 25' — PURCHASED NEW 1946 — BUILT FOR 125 LBS. STEAM PRESSURE — STILL SET UP.

10—Powder Mixers from 100 to 1,500 lbs.
1—Kent 4" x 8" 3-roll, M.D.
1—Pfaudler 500 gal. Vac. jktd. & agtd.
2—Devine 17 shelf vacuum Dryers.
1—Sharples #16 centrifuge, M.D.
1—Bullion Cube Wrapping Machine.
1—Arenco Tube Filler, Closer & Crimper.
1—NEW 15 gal. s/s Pony Mixer, M.D.

SEND FOR MERCK LIST!

CHEMICAL & PROCESS MACHINERY CORPORATION
146 GRAND ST. • NEW YORK 13
WOrth 4-8130

Business Wants and Offers

RATES PER INSERTION—PAYABLE IN ADVANCE (Not Subject to Agency Commission)

ALL CLASSIFIED ADVERTISEMENTS—$5.00, thirty-six words or less; 85c. for each additional six words or fraction.

NO DISPLAY—First two words printed in bold face type.

COPY DEADLINE—Wednesday Noon Preceding Date of Publication

AGENCIES OFFERED

Agents and distributors wanted for industrial chemicals by chemical manufacturer building up nationwide sales organization. OPD 555.

AGENCIES WANTED

Venezuela (Free Trade country). Well established representative is open for additional agencies in fine and heavy (basic) chemicals, surgical dressings, lab and hospital equipment, etc.—Manufacturers only, not dealers. OPD 557.

EQUIPMENT OFFERED

New synthetic resin equipment 3000 gal. stainless kettle, agitator, cooling coils, condensers, controls, electric heating jacket, filter press, pumps. Can be operating in 30 days. Complete $20,000. OPD 546.

Pressure Filters, used, good condition. Hoffman 1-30S, 3600 GPH $395; Hoffman 1-10V $175; centrifugal pumps, Ingersol-Rand, 5 HP G.E. motor, 100 GPM, $75; 7½ HP motor, 140 GPM $90. Gaylin Products Co., 40 E. 21 St., New York, N. Y., AL 4-1196.

1—Eppenbach homogenizers, type 3H, stainless steel type 316, with 5 HP explosion proof motor 3/220/60, 3500 RPM, (new). OPD 560.

FACILITIES OFFERED

High Vacuum distillation, fractionation, processing, extraction, solvent removal. Specializing in essential oils, aromatics, flavor materials, solid extracts and soluble resins. Modern stainless steel and glass lined equipment plus 35 years experience. OPD 519.

Facilities offered for mixing dry chemicals carload and less carload. Also grinding, pulverizing, drying screening and packing done. Experienced capable personnel. Modern plant with rail siding located Metropolitan New York. Reply OPD 553.

FOR SALE

If you can use 1400 gross 1 oz. flint jars, straight side, 43 mm finish we will make an attractive price. Foster-Milburn Company, Buffalo 13, N. Y.

CHEMICAL PLANT
FOR LEASE

LOCATION: Belle, W. Va., on Kanawha River, N. Y. Central Railroad siding and U. S. Route 60.
Process Building transite on steel, 3 stories, ground floor 124' x 40'.
Boiler House with 210 HP, 350-lb. sq. in. gas-fired boiler. Sewage system. City and well water supply. Natural gas and power connection. Process building partially equipped with automatic sprinklers.
Detached frame buildings, suitable for office, laboratory and storage. Property 4.8 acres.
For particulars write to
Box 536, Oil, Paint and Drug Reporter

DRY POWDERS AND LIQUIDS

Blending, Compounding and packaging.
Two oz., to Drums
Technical and Laboratory Control available, Newark, Seattle, Los Angeles, and San Francisco.
Box 510
Oil, Paint and Drug Reporter.

MATERIALS OFFERED

For Sale—10 drums of diethylene glycol. Make offer. OPD 559.

Seven—Dehydrocholesterol (pro-vitamin D3). purity over 90%. Excellent price in kilo quantities. OPD 548.

Offering—Allantoin, C. P., 30 lbs., reasonable. Write: Thorne c/o Allen, 2111 Beekman Place, Brooklyn 25, N. Y.

MATERIALS WANTED

Propylene Glycol in regular monthly deliveries. OPD 547.

To manufacturers and jobbers. Are you overstocked? We require immediately large or small lots, many items chemicals, pharmaceuticals, solvents, aromatics, waxes; other supplies. Submit offerings at once. Correspondence treated confidentially. OPD 562.

PARTNERSHIP WANTED

Partnership wanted. Industrial chemist with twenty years of diversified experience seeks active partnership in going chemical business, preferably manufacturing. Willing to invest up to 25M. OPD 558.

PHOSPHATE LEASE

United States Department of Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g), and (h), if a current showing in that regard has not been filed. The envelopes shall be plainly marked that they are not to be opened before the date and hour set out herein and should show the number of the unit and that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bids. Bidders are warned against committing any act of intimidation, combination or unfair management, to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. The lands to be leased are in the State of Idaho, and are offered in the following units: **Unit No. 1,** lot 2 sec. 10, W½NW¼, SE¼NW¼, E½SW¼ sec. 11, T. 9. S., R. 43 E., B.M., 240 acres; **Unit No. 2,** W½NE¼, NE¼NW¼ sec. 12, T. 8 S., R. 43 E., B.M. 120 acres; **Unit No. 3,** lot 3, NE¼NW¼, S½NE¼, sec. 2, T. 9 S. R. 43 E., B.M., 160 65 acres; **Unit No. 4,** SW¼SW¼ sec. 20, W½NE¼, SE¼NE¼, N½NW¼, NE¼SE¼ sec. 29, T. 4, S., R. 40 E., B.M. 280 acres; **Unit No. 5,** lots 8 and 9 sec. 1, T. 6 S., R. 36 E., B. M., 65.38 acres. Terms: Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of the gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 25 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be canceled if production or the construction of production facilities including processing plants, is not commenced by the beginning of the fourth year of the lease. A lease of the lands, if issued, shall contain a provision that operations thereunder will not cause undue interference with the use of the lands for the grazing of cattle and sheep and the cutting of timber. Bids must be submitted on or before 1 p.m. May 25, 1949, and must be submitted on each unit separately, but no objection will be made to the award of more than one unit to the same successful bidder. Marion Clawson, Director.

LABORATORY
FOR SALE

2,000 sq. ft. in West Thirties Manhattan, includes benches, fume hoods and service piping. Space under lease, can transfer, possession August 1, 1949.

Box 561, Oil, Paint and Drug Reporter

CAN YOU HEAD A DEPARTMENT?
What Do You Know?
Are you experienced in any of the following:

Fertilizers, insecticides	—	**Vegetable oils**
Ores, minerals, metals	—	**Waxes, gums**
Coal tar products	—	**Industrial Chemicals**

We are an old established chemical Import-Export house, trading throughout the world, with substantial organization, experience, facilities and ample funds. Applicant must be qualified to take over full authority and direction of Department. Write fully and in strict confidence. If at present operating your own business we will consider outright purchase or combination. Salary, profit sharing, permanent connection and unlimited opportunity. Our organization is fully advised of this ad.
Box 563, Oil, Paint and Drug Reporter

OUR INVENTORIES LOW!
WANTED
Chemicals — Drugs — Pharmaceuticals
Dyes — Oils — Waxes — Solvents, etc.
Other Supplies

Chemical Service Corporation
88 BEAVER STREET, NEW YORK 5, N. Y.
HAnover 2-5970

PHOSPHATE LEASE

United States Department of Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that the lands listed herein are offered for phosphate lease, through sealed bids, at a minimum bid of $1 an acre, on the terms hereinafter specified, to qualified bidders of the highest cash amounts per acre as a bonus for the privilege of leasing under the phosphate provisions of the act of February 25, 1920 (41 Stat. 440, 30 U.S.C., sec. 211), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., on or before 1 p.m. on the date set out herein. Each bidder must submit with his bid certified check, money order, or cash, for one-fifth of the amount bid by him, and file evidence of qualifications as prescribed in 43 CFR 196.7 (b), (c), (g) and (h), if a current showing in that regard has not been filed. The envelope shall be plainly marked that it is not to be opened before the date and hour set out herein and should show that the bid is for phosphate lease. No bids received after the hour fixed herein for receiving bids will be considered. Prior to the issuance of a lease, the successful bidder must pay the remainder of the bid made by him and the rental at the rate of 25 cents an acre or fraction thereof for the first lease year, and submit lease forms and a bond in the sum of $5,000 (43 CFR 196.12). Deposits of other bidders will be returned upon the acceptance of the successful bid. Bidders are warned against committing any act by intimidation, combination or unfair management to hinder or prevent bidding at the sale in violation of section 1860, Title 18, United States Code. The right is reserved to reject any and all bids. **Lands to be leased:** SW¼SE¼, E½SW¼, NW¼SW¼, lots 3, 4, S½NW¼, sec. 3, lot 1 sec. 4, E½ sec. 10, W½SE¼, NW¼, E½SW¼, sec. 14, NE¼NE¼ sec. 15, T. 8 S., R. 44 E., S½SE¼ sec. 28, E½SE¼, NW¼SE¼, NE¼ sec. 33, W½SW¼ sec. 34, T. 7 S., R. 44 E., B.M., Idaho. **Terms:** Rental for each acre or part thereof at the rate of 25 cents per acre for the first year, 50 cents per acre for the second and third years, respectively, and $1 per acre for each year thereafter during the continuance of the lease; a minimum investment of $50 an acre during the first three years of the lease; a royalty of 5 percent for the first 10 years from the date of issuance of the lease and 6 percent, beginning with the 10th anniversary date thereof and continuing thereafter for the remainder of the first twenty years lease period, of gross value of the phosphate or phosphate rock and associated products recovered and sold or otherwise disposed of at the point of shipment which royalty shall not be less than 15 cents a ton of 2,000 pounds, mine run; a royalty of 10 percent of the gross value of vanadium and associated or related minerals recovered and sold or otherwise disposed of; a royalty of 10 cents a ton of 2,000 pounds of silica and limestone or other nonphosphate rock mined and sold, used, or otherwise disposed of from the leased land under sec. 4 of the act of June 3, 1948 (62 Stat. 289); a minimum production of 5 tons an acre beginning with the fourth lease year. It is expressly agreed that the Secretary of the Interior may establish reasonable minimum values for the purpose of computing royalty on any phosphates or phosphate rock and associated products, due consideration being given to the highest price paid for a part or majority of the production of like quality products from the same general area, the price received by the lessee, posted prices, and other relevant matters. Royalty shall be payable monthly within 30 days from the expiration of the month in which it accrues. The minimum production will not be reduced or waived at the lessee's request except as provided in 43 CFR 196.5, 196.6, 191.25, or 191.26, or upon a satisfactory showing that market conditions are such that the lessee cannot operate except at a loss. The lease will be canceled if production or the construction of production facilities including processing plants, is not commenced by the beginning of the fourth year of the lease. A lease of the lands in units 1 and 3, if issued, shall contain a provision that operations thereunder will not cause undue interference with the use of the lands for the grazing of cattle and sheep and the cutting of timber. A like provision with reference to a Forest Service drift fence will be made a part of a lease of the lands in unit No. 3. Bids must be submitted on or before 1 p.m. May 25, 1949. and must be submitted on each unit separately, but no objection will be made to the award of more than one unit to the same successful bidder. Marion Clawson, Director.

POTASSIUM LEASE

U. S. Department of the Interior, Bureau of Land Management, Washington 25, D. C. Notice is hereby given that sealed bids will be received until 1 p.m. Eastern Daylight Saving Time, June 8, 1949, for the following described land in Eddy County, State of New Mexico: all of sec. 10, N½, N½S½ sec. 15, all of sec. 22, N½, NW¼SE¼, E½SE¼ sec 27, T. 22 S, R. 29 E., N.M.P.M., 200 acres. This land is offered at a minimum bid of $1 an acre to qualified bidder of the highest cash amount as a bonus for the privilege of leasing under the provisions of the Potassium Leasing Act of February 7, 1927 (44 Stat. 1057, 30 U.S.C., Sec. 283), subject to a royalty of five percent of the gross value of potassium compounds and other related products at the point of shipment to market, a minimum investment of $200,000 during the first three years of the lease, a minimum production to a royalty value of $1 an acre a year beginning with the fourth lease year and otherwise in accordance with the lease form set out in the regulations (43 CFR 194.24), as amended. All bids must be submitted to the Director, Bureau of Land Management, Washington 25, D. C., and each bidder must submit with the bid one-fifth of the amount bid in cash, or by certified check, or by money order made payable to the order of the Treasurer of the United States, and file the showing of qualifications to receive a lease, required under 43 CFR 194.6 (a) (b) and (c). The envelopes shall be plainly marked: "Bids for potassium lease. Not to be opened before 1 p.m. Eastern Daylight Saving Time, June 8, 1949." No bids received after the hour fixed herein for receiving bids will be considered. The remainder of the bonus and the rental at the rate of 25 cents per acre for the first lease year, must be paid and a corporate surety bond in the sum of $10,000 must be furnished by the successful bidder prior to the issuance of a lease (43 CFR 194.22). The deposits of the unsuccessful bidders will be returned upon acceptance of the successful bid. Bidders are warned against violation of section 1860, Title 18, U. S. Code, prohibiting unlawful combination or intimidation of bidders. The right is reserved to reject any and all bids. Marion Clawson, Director.

SERVICES OFFERED

Wax chemist, extensive experience in development and manufacture of microcrystalline waxes, industrial wax blends, floor waxes, emulsions, shoe polishes, dressings, cleaners, other household specialties, cosmetics, offers his consulting services. Kroner Laboratories, 275 Water Street, New York 7, N. Y.

SPACE OFFERED

80 Washington St. (near Rector)—Entire floor (9000 ft. gross). Suitable clerical staff. storage of records, printing, light manufacturing, fully sprinklered, passenger and freight elevator. $8000. B. Crystal & Son, PLaza 3-1236.

PLANTS OFFERED

Plant for sale—3100 sq. ft.. New cinder block bldg, asbestos transite roof on steel; 3 phase and single phase current; gas; water; sewage; 10 H. P. steam boiler; heavy industrial area, 30 minutes from Holland Tunnel, with or without certain chemical equipment and storage tanks. Building $16,500, terms. N. T. Dixon Company, Perth Amboy, New Jersey. P.A. 4-6485.

PLANTS WANTED

Wanted—Buy or lease immediately small chemical plant with equipment suitable for manufacture of organic chemicals. Will consider adding to equipment. May consider partnership. Location preferably metropolitan New Jersey or New York. Replies confidential. OPD 543.

Wanted—Complete plants, also machinery—large engineering firm wishes to acquire several complete plants through purchase of (1) capital stock; (2) assets; (3) machinery and equipment, whole or in part. Personnel retained where possible. Strictest confidence. Box 694, 1474 Broadway, New York 18, N. Y.

POSITIONS OFFERED

Chemical Salesman — Expanding Midwest chemical manufacturer seeks aggressive, high type sales representative acquainted with sales of industrial solvents preferably on national scale. In reply state experience and salary expected and submit recent snapshot. OPD 540.

Salesmen—unusual opportunity—attractive offer. Well established manufacturer of aromatic chemicals, essential oils and perfume compounds, has openings for salesmen with knowledge of the business and a following in the trade. Replies will be treated confidentially. Our staff knows about this ad. OPD 552.

Export Sales Promotion Man wanted, experienced in fats, oils, tallows, grease, pigments, fatty acids, etc. to handle new department for well-rated firm long established in related lines. Immediate opening. Write fully. OPD 564.

POSITIONS WANTED

Chemist, Salesman—15 years experience, 35, own car, executive calibre, seeks opportunity in sales or production with manufacturing company or supplier of raw materials. Numerous contacts, excellent references. OPD 542.

Chemist, Salesman—32, own car, intelligent, reliable. Matched, formulated oleoresinous, rotogravure inks; engaged in pigment manufacture, development; did customer servicing in dyestuff, pigment applications; formulated thermoplastics; sold raw material to protective coatings, other industries. Excellent correspondent. OPD 556.

Advertising Index

Aaron Equipment Co. 81
Allied Asphalt & Mineral Corp. 79
Allied Steel Equipment Co. 81
Aluminum Co. of America 12
American Cancer Society 25
American Key Products, Inc. 49
American Potash & Chemical Corp. 61
Apex Chemical Co., Inc. 78
Arista Oil Products Co. 78
Arnold-Hoffmann & Co., Inc. 52
Avoset Company 55

Baker & Adamson Products, General Chemical Div., Allied Chemical & Dye Corp. 31
Baker, J. T., Chemical Co. 1, 50
Barcan, Irving, Co. 81
Barclay Chemical Co. 40
Barium Reduction Corp. 42
Barnett Laboratories 59
Barrett Division 43, 46
Bay Chemical Co., Inc. 40
Beacon Company 52
Bendix Chemical Corp. 54
Bethlehem Steel Co. 48
Birch-Kline Co., Inc. 73
Blackman Brands, Inc. 59
Bower, Henry, Chemical Mfg. Co. 40
Brill Equipment Co. 80
Brode Corp., The 78
Bromund, E. A., Company 77
Bush Aromatics, Inc. 70
Bush, W. J., & Co., Inc. 68

Calif. Fruit Growers Exchange, Products Dept. 27
Carbide & Carbon Chemicals Corp. 54
Celanese Corp. of America, Chemical Div. 84
Centflor Manufacturing Co. 70
Chaplain & Bibbo 54
Chemical Manufacturing Co. 42
Chemical & Process Machinery Co. 81
Chemical Service Corp. 82
Chemical Solvents, C. P., Inc. 84
Chemische Production "Olim," N. V. 76
China Trading & Industrial Development Corp. 67
Church & Dwight Co., Inc. 38
Colgate-Palmolive-Peet Co. 52
Concord Chemical Co. 78
Conray Products Co. 53
Consolidated Chemical Industries, Inc. 39, 40, 42
Consolidated Products Co., Inc. 80
Cooper, T. G., & Company 79
Cortizas, M., & Company 67
Coupe, Robert A. 39
Cowles Chemical Co. 32
Crown Oil Products Corp. 76

Darling & Co. 79
Darsyn Laboratories, Inc. 59
Dawe's Vitamins, Inc. 58
Deep Rock Oil Corp. 44
Dennis Chemical Co. 74
Devold, Peder, Oil Co., Inc. 57
Dickerson Company 43
Dickinson, J. Q., & Co. 54
Diehl, Wm., & Co. 77
Dodwell & Co., Ltd. 67
Dow Chemical Co. 20
Dow Corning Corp. 74
Drew, E. F., & Co., Inc. 26
Dreyer, P. R., Inc. 69
Drum Parts, Inc. 81
Duff Chemical Co., Inc. 38
Dunkel, Paul A., & Co., Inc. 65
Du Pont de Nemours, E. I., & Co., Inc. 1

Edwal Laboratories 51
Elbert & Co., Inc. 41
Emery Industries, Inc. 77
Ensco Equipment Co. 81
Equipment Finders Bureau 81

Ferro Chemical Corp. 76
Filo Color & Chemical Corp. 74
Fine Organics, Inc. 52
Firmenich & Co. 70
First Machinery Corp. 80
Fisher Chemical Co. 84
Florasynth Laboratories, Inc. 68
Ford Motor Co. 60
Fritzsche Bros., Inc. 68
Fulton Bag & Cotton Mills 81

Gartenberg, H., & Co., Inc. 49
Gelb, R., & Sons, Inc. 81
General Biochemicals, Inc. 78
General Drug Co. 70
Gesell, R., Inc. 59
Golwynne Chemicals Corp. 13
Gray, William S., & Co. 1
Greeff, R. W., & Co. 16, 41
Gross, A., & Co. 77

Hamilton Laboratories, Inc. 60
Hardesty, W. C., Co. 77
Hexagon Laboratories, Inc. 58
Hyden Chemical Corp. 30
Hoffmann-La Roche, Inc. 28
Hopkins, J. L., & Co. 65
Huisking, Chas. L., & Co., Inc. 57
Hutchinson, D. W., & Co., Inc. 68

Industrial Chemical Sales, Div. West Virginia Pulp & Paper Co. 74
Inland Alkaloid Company 51
Inland Steel Container Co. 60
Innis, Speiden & Co. 42
Iron & Steel Products Co. 81
Irvington Smelting & Refining Works 42

Kentucky Color & Chemical Co., Inc. 73
Kessler Chemical Co., Inc. 55
Koch, W. Walter, Co. 48
Kolker Chemical Works, Inc. 42
Koppers Company, Inc. 47
Koster, F. B., Wax Refining Co. 78
Krim Ko Company 54

Lamex Chemical Corp. 61
Lawler Company 81
Lee Metal Products 83
Lemke, B. L., & Co., Inc. 61
Lever Brothers Company 52
Loeb, H., & Son 81

Machinery & Equipment Corp. 81
Magnus, Mabee & Reynard, Inc. 68
Mallinckrodt Chemical Works 19, 72

Maneely Chemical Co. 34
Mantrose Corporation 72
McCarthy Chemical Co. 44
McKesson & Robbins, Inc. 53
Merchants Chemical Co. 38
Merck & Co., Inc. 8
Metallo Chemical Refining Co., Ltd. 39
Metalsalts Corp. 59
Miel, George A., Co., Inc. 78
Mineral Pigments Corp. 73
Monsanto Chemical Co. 73
Montrose Chemical Co. 16
Munn, W. A., & Co. 57
Mutual Chemical Co. of America 49

National Aniline Div. 2
National Casein Sales 74
National Milk Sugar Co. 60
Natural Products Refining Co. 49
Neuberg, William D., Co. 11
Neville Company 84
Newhall-Marshall-Wood, Inc. 81
New Jersey Zinc Company 35
N. Y. Quinine & Chemical Works, Inc. 6
Niagara Alkali Company 23
Nopco Chemical Co. 14
Norda Essential Oil & Chemical Co., Inc. 69

Ohio-Apex, Inc. 72
Old Dutch Mustard Co. 67
Orbis Products Corp. 43
Ortho Chemical Corp. 59
Osborn, C. J., Co. 76

Pacific Coast Borax Co. 1
Page, Chas., & Co., Inc. 48
Pan American Chemicals Div. 45
Parsons, M. W. 76
Penick, S. B., & Co. 64
Pennotex Oil Corp. 45
Pennsylvania Industrial Chem. Corp. 71
Pennsylvania Refining Company 45
Perry Equipment Corp. 80
Petrolite Corp., Ltd., Wax Division 29
Pfaltz & Bauer, Inc. 60
Pfizer, Chas., & Co., Inc. 37
Pittsburgh Coke & Chemical Co. 84
Pittsburgh Plate Glass Co., Columbia Chemical Div. 38
Plaskon Division 22
Prentiss, R. J., & Co., Inc. 66
Prior Chemical Corp. 1
Procter & Gamble 52
Publicker Industries, Inc. 10

Read, Chas. L., & Co., Inc. 38
Reade Manufacturing Co. 76
Riches-Nelson, Inc. 84
Republic Steel Corp. 47
Richmond Chemical Co. 57
Richter, Gedeon, Pharmaceutical Prods., Inc. 53
Rosenthal Bercow Co., Inc. 84
Roure-Du Pont, Inc. 70
Rufert Chemical Co. 13

Santonine Co. of America 57
Schieffelin & Co. 57
Schimmel & Co., Inc. 70
Seil, Putt & Rusby, Inc. 67
Seldner & Enequist, Inc. 60
Senn, George, Inc. 72
Sergeant, E. M., Pulp & Chemical Co. 41
Sharples Chemicals Inc. 1
Sheffield Farms Co., Inc. 58
Shell Chemical Corp. 15
Smith, George F. 41
Smith, J. Lee, & Co., Inc. 72
Smith, Kline & French Labs. 55
Snell, Foster D., Inc. 18
Socony-Vacuum Oil Co., Inc. 83
Solvay Sales Div., Allied Chemical & Dye Corp. 33
Spencer Chemical Co. 39
Staley, A. E., Mfg. Co. 54
Standard Drug Co., Inc. 61
Stauffer Chemical Co. 41
Stein Equipment Co. 81
Strong Cobb, Inc. 17
Sundheimer, Henry Co. 40
Synthetic Products Co. 71

Terra Chemicals, Inc. 42
Texas Gulf Sulphur Co., Inc. 43
Texoil Service Co. 45
Thompson-Hayward Chemical Co. 41
Thurston & Braidich 67
Trask, Arthur C., Co. 78
Tuteur Bio-Chemicals, Inc. 55

Ultra Penn Refining Co. 44
Ungerer & Company 69
Union Bag & Paper Corp. 75
Union Carbide & Carbon Corp. 54
United Distillers of America 75
U. S. Factors, Ltd. 74
United States Potash Co., Inc. 43
Universal Petroleum Co. 44
Universal Western Chemical Corp. 78

van Ameringen-Haebler, Inc. 70
Van Gelder Fanto Corp. 82
Verona Chemical Co. 69
Victor Chemical Works 39
Virginian Gasoline & Oil Co. 44
Vitamerican Oil Corp. 58

Wallace & Tiernan 54
Wallach-Gracer Export Corp. 21
Welch, Holme & Clarke Co., Inc. 58
Wharry, G. A., & Co. 84
Williams, C. K., & Co. 76
Wilson-Martin Div. 77
Wirz, A. H., Inc. 62
Wisconsin Alumni Research Foundation 57
Wolf, Jacques, & Co. 70

Young, The J. S., Company 48, 58

Zink & Triest Co. 67
Zinsser & Co., Inc. 40

Shell Transfers Kluck

C. L. Kluck, sales manager of Shell Oil Company's Baltimore marketing division since 1942, has been named to a similar post in the company's Indianapolis division. He succeeds E. H. Cain, who has been transferred to the head office in New York as assistant manager of the retail department.

SOCONY-VACUUM MANUFACTURERS OF

SOVASOLS

THE SPECIALIZED NAPHTHA SOLVENTS

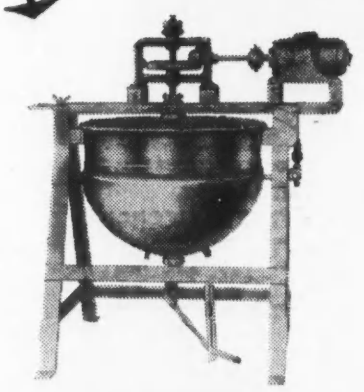
Consult your nearest Socony-Vacuum Office:

- 230 Park Ave., New York 17, N. Y.
- 40 Steuben St., Albany, N. Y.
- 130 Pearl St., Buffalo 5, N. Y.
- 648 Beacon St., Boston 6, Mass.
- 1422 Euclid Ave., Cleveland 15, O.
- 10 Light St., Baltimore 2, Md.
- Public Ledger Bldg., Philadelphia 6, Pa.
- 903 W. Grand Blvd., Detroit 32, Mich.
- 59 East Van Buren St., Chicago 5, Ill.
- 925 Grand Ave., Kansas City 13, Mo.
- 4140 Lindell Blvd., St. Louis 8, Mo.
- 907 South First St., Milwaukee 4, Wis.

26 B'WAY, NEW YORK 4, N. Y.
SOCONY-VACUUM OIL COMPANY, INC.

LEE headquarters for the Standard and Special Designs

CORROSION-RESISTANT KETTLES



for every purpose
The Accepted Standard of Quality

LEE METAL PRODUCTS CO., INC.
432 PINE STREET, PHILIPSBURG, PA.

All Lee Kettles are made to A. S. M. E. Code

ALCOHOLS

Methyl - Ethyl - Isopropyl - Butyl - Isobutyl - Methyl Amyl

CHEMICAL SOLVENTS INCORPORATED

WOrth 2-7763 • MArket 2-3650 — 60 PARK PLACE, NEWARK 2, N. J.

DEPENDABLE and CONSTANT SOURCE

for immediate deliveries of —

ROSINS GUM and WOOD all grades

PROCESSED ROSINS AND RESINS

PINE OIL · TURPENTINE · TERPENES

You can depend on WHARRY for:

—fine quality chemicals processed under strict quality controls to meet your specifications accurately.

—immediate shipment in commercial quantities from a source you can depend on. Our Technical Service is at your service.

G. A. Wharry & CO., INC.

95 Broad Street • New York 4, N. Y.

PHILADELPHIA 2, PA. 1 S. 15th Street

CHICAGO 17, ILL. 9340 Commercial Ave.

FORMALDEHYDE

CAUSTIC POTASH

OXALIC ACID

RN

RICHES-NELSON, INC.

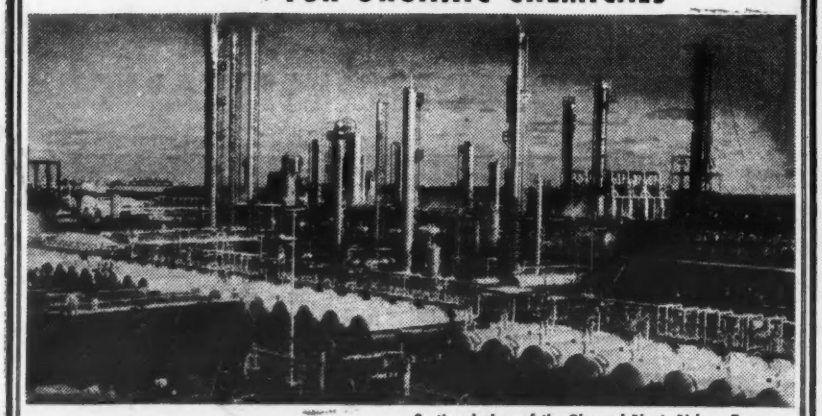
Chemicals and Allied Products

111 MURRAY HILL 7-7767 CABLE RICNELCHEM, N.Y.

342 MADISON AVENUE NEW YORK 17 N. Y.

LOOK TO **Celanese**

FOR ORGANIC CHEMICALS



Sectional view of the Chemcel Plant, Bishop, Texas.

FORMALDEHYDE
ACETALDEHYDE
PROPIONALDEHYDE
ACETIC ACID
ACETONE
METHYLAL

METHANOL
n-PROPYL ALCOHOL
BUTYL ALCOHOLS
TRICRESYL PHOSPHATES
SPECIAL SOLVENTS

Celanese® CHEMICALS

CELANESE CORPORATION OF AMERICA

Chemical Division

180 Madison Avenue, New York 16, N. Y. *Reg. U. S. Pat. Off.

NAPHTHALENE

ALL SIZES - ALL PACKING

PARADICHLOROBENZENE

ALL SIZES - ALL PACKING

ROSENTHAL BERCOW CO., INC.

Drugs Chemicals Oils Waxes

25 EAST 26th STREET NEW YORK 10, N. Y.

Cable Address: "RODRUG" All Codes

Pittsburgh Industrial Chemicals

AROMATIC HYDROCARBONS • TAR ACIDS—PHENOL, CRESOLS • SULPHURIC ACID—ALL GRADES • TAR, PITCH and CREOSOTE • SULPHATE OF AMMONIA • TAR BASES—PYRIDINE, PICOLINES SODIUM CYANIDE • SODIUM THIOCYANATE • ACTIVATED CARBONS

Phone ATLANTIC 2290

PCC

PITTSBURGH COKE & CHEMICAL CO.

GRANT BUILDING • PITTSBURGH 19 PA.

NEVILLE

SHINGLE STAIN OILS

THE NEVILLE COMPANY

PITTSBURGH • PA.

ALPHA NAPHTHALENE

ACETIC ACID

and Methyl Ester

•

MALONO NITRILE

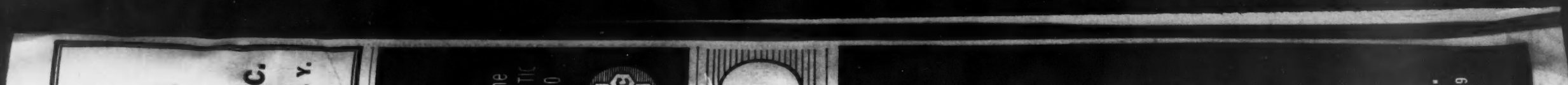
Manufactured by

F. O. COCKERILLE COMPANY

Greenwood, Va.

Sole Sales Agents

Fisher CHEMICAL COMPANY, Inc.

60 E. 42nd STREET, NEW YORK 17, N. Y. • MUrray Hill 2-2587-8-9

Cable Address: PHARCHEM